

2010-2011 Johnson State College

Johnson, Vermont

Undergraduate Catalog

This catalog becomes effective on August 1, 2010,
and is in effect until superseded by a new issue.

This catalog is not a legally binding agreement between the College and its students; it is published for purposes of information only. Johnson State College reserves the right to make changes in course offerings, degree requirements, charges, regulations and procedures contained herein as educational and financial considerations require.

Johnson State College

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A Message from President Barbara E. Murphy

Johnson State College is committed to higher education's power to transform lives through a rich combination of teaching, advising, community life, and learning opportunities beyond the classroom. Johnson will offer you the chance to explore your interests, examine your values, and shape the future direction your life will take. You can count on us to help you along the way.

This catalog provides an overview of our College and an introduction to opportunities for study. But, it is only an informational guide, and we encourage you to contact our admissions and student services staff to learn more about the Johnson State College experience.

Welcome to our College community.

Barbara E. Murphy
President

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Non-discrimination and prevention of harassment and related unprofessional conduct

Johnson State College (JSC) does not engage in unlawful discrimination based on race, color, creed, ancestry, ethnicity, national origin, place of birth, sex, sexual orientation, gender identity, disability, age, veteran status, marital status or any other status protected by law. Sexual harassment, racial harassment, and harassment of persons based upon other protected categories are forms of discrimination and will not be tolerated. Also, inappropriate sexual relationships between staff and students, although they may not rise to the level of sexual harassment, are prohibited. Further, JSC, in accordance with Vermont law, does not discriminate against any person on the basis of the person having a positive HIV-related blood test.

JSC does not discriminate on the basis of the above protected categorizations in application processes for admissions or employment, in academic and residential programs, in employment practices and policies, in scholarship and loan programs, in athletic programs, and any other programs or facilities. JSC is an equal opportunity employer.

The above is taken from VSC Policy 311, which is available online at www.vsc.edu. Any questions or complaints about potential or perceived discrimination, harassment or related unprofessional conduct in violation of any state or federal law or VSC Policy 311 should be directed to the Assistant Academic Dean, at JSC, 802-635-1243. Please contact the JSC Learning Specialist, Academic Support Services, at 802-635-1264, if accommodations are needed to apply for admission; and the Dean of Administration, at 802-635-1208, if accommodations are needed for employment.

Academic Degree Programs

Associate of Arts

General Studies
Technical Theater

Associate of Science

Management

Bachelor of Arts

Anthropology and Sociology
Art
Biology: Field Naturalist
Business Management
Elementary Education
English
History
Hospitality and Tourism Management
Journalism
Liberal Arts
Music

- Classical Studies
- General Music Studies
- Jazz/Contemporary Studies
- Music Education

Musical Theater
Outdoor Education

- Adventure Education and Wilderness Leadership
- Environmental Education

Political Science
Professional Studies (EDP only)
Psychology
Theater and Drama

Bachelor of Fine Arts

Creative Writing
Studio Arts

Bachelor of Science

Biology
Environmental Science/Natural Resources
Health Sciences

- Health and Exercise Science
- Physical Education, Teacher Licensure

Integrated Environmental Science
Mathematics
Wellness and Alternative Medicine

Certificates

Nonprofit Management
Small Business Management

Teacher Licensure Programs

Art (K-6, 7-12, K-12)
Dance (7-12)
English (7-12)
Elementary Education (K-6)
Life Science (7-12)
Mathematics (7-12)
Music (K-12)
Physical Education (K-6, 7-12, K-12)
Physical Science (7-12)
Social Studies (7-12)
Theater Arts (7-12)

Academic Minors

Adventure Education
Anthropology and Sociology
Art History
Arts Management (for theater majors)
Biology
Business (for non-business majors)
Chemistry
Creative Writing
Dance
Environmental Education
French
Gender Studies
History
Journalism
Literature
Mathematics
Music
Natural Resources
Political Science
Pre-Law
Psychology
Spanish
Studio Arts
Theater

General Information

Johnson State College: A Brief History

The history of Johnson State College dates back to 1828 when John Chesamore, a village cobbler, gave his shoe shop to the village of Johnson for a much-needed elementary and secondary school. Dr. Carpenter, a Chelsea, Vermont preacher became the schoolmaster when the school was chartered in 1832 as Johnson Academy.

In 1836, five communities incorporated as the Lamoille County Grammar School Association to support the school. In 1866, the State designated Johnson Academy as one of three new "Normal Schools," institutions specifically for teacher training. The Johnson Normal School offered one-, two-, and three-year teacher training programs until 1947 when the State approved a four-year teacher training program, and the school became Johnson Teachers College.

By an act of the 1961 Legislature, the Vermont State Colleges Board of Trustees was created to oversee the state college system. This new board assumed control on July 1, 1962, and Johnson Teachers College became Johnson State College. This new name signaled a change in the College's mission from a single-purpose teacher-training college to a multi-purpose liberal arts college. Since that time, the College's curriculum in the liberal arts and sciences, its enrollment, and its facilities have expanded dramatically to meet this new mission. In recent years, the College has embarked on an ambitious plan to transform the campus to enhance teaching, learning and community gathering spaces. In 2008, a 7-million-dollar renovation of Stearns Student Center was completed. This renovation transformed the building into a true student union with community gathering spaces, a performance space, a cinema and excellent dining facilities. In

2009, the College completed a major renovation of its athletics facility with the creation of a new fitness center, spinning studio, yoga/stretching rooms, and transformed varsity gymnasium. In the summer of 2010, major renovations to Bentley Hall, home to JSC's environmental and health sciences programs, were completed. These resulted in a new molecular lab, a fully renovated and expanded earth sciences lab, and a dedicated research lab for upper-level students conducting their senior-level theses.

The College has come a long way from that first class of 16 students in a converted cobbler's shop. Johnson State's modern, dozen-building campus spreads over 330 hilltop acres and serves nearly 1900 students from Vermont and around the country. The College is accredited as a multi-purpose public institution by the New England Association of Schools and Colleges and is approved as a degree-granting institution by the Vermont State Board of Education.

Mission of the Vermont State Colleges System

For the benefit of Vermont, the Vermont State Colleges provide affordable, high quality, student-centered and accessible education, fully integrating professional, liberal, and career study. This integrated education, in conjunction with applied learning experiences, assures that graduates of VSC programs will:

1. Demonstrate competence in communication, research and critical thinking.
2. Practice creative problem-solving both individually and collaboratively.
3. Be engaged, effective, and responsible citizens.
4. Bring to the workplace appropriate skills and an appreciation of work quality and ethics.
5. Embrace the necessity and joy of lifelong learning.

The Vermont State Colleges also offer numerous opportunities for others to engage in continuous learning to meet their specific goals.

The Johnson State College Mission

The Johnson State College community believes in the power of higher education to transform lives. We express this commitment through an education that crosses academic and other boundaries, wherever possible; creates opportunities for students to extend their classroom learning to the field, the laboratory, the studio, the community, and the local and wider world; recognizes the diverse starting points and goals of students; and sustains active participation, high standards, vigorous debate and mutual respect.

Degree Requirements

Johnson State College offers students two pathways to an undergraduate degree:

On campus at JSC, students can choose from among 25 bachelor's degrees, three associate's degrees, two certificates, and 11 teaching licensure programs while taking advantage of the College's many services, programs, and activities.

Through the External Degree Program, students throughout Vermont who have at least 60 credits can complete a bachelor's degree in one of five majors and/or earn teaching licensure through online and weekend courses close to home.

More information about all JSC options appears in the following pages.

Requirements for a Bachelor's Degree

For Campus-Based Students

- Completion of at least 120 credit hours of work (not including basic skills credits)
- Achievement of a minimum cumulative grade point average of 2.00 (on a scale where A equals 4.00)
- Completion of the General Education Core Curriculum
- Completion of Graduation Standards
- Completion of all course work in the major
- At least 30 of the last 39 credits applying toward the degree must be earned from Johnson State College
- At least 39 credits must be at the 3000/4000 (upper) level

For EDP Students

- Completion of at least 120 credit hours of work (not including basic skills credits)

- Achievement of a minimum cumulative grade point average of 2.00 (on a scale where A equals 4.00)
- Completion of the EDP General Education Requirements
- Completion of Graduation Standards
- Completion of a Degree Plan approved by the sponsoring department
- Completion of all course work in the major as declared in the student's approved Degree Plan
- At least 39 credits must be at the 3000/4000 (upper) level
- EDP students must complete at least two semesters and at least 30 credits while in EDP (24 credits if student has at least 6 prior credits from JSC)
- At least 30 of the last 39 credits applying toward the degree must be credits for which the student registers through Johnson State College/EDP

Requirements for an Associate's Degree

- Completion of at least 60 credit hours of course work (not including basic skills credits)
- A minimum cumulative grade point average of 2.00 (on a scale where A equals 4.00)
- At least 30 of the credits applying toward the degree must be earned from Johnson State College
- Students in the Associate of Arts (A.A.) in General Studies program must complete the Fundamental Skills and Disciplinary Exploration (taking one course from each of the seven sub-categories) components of the GECC. Students in all other associate's programs must complete ENG-1051 and ENG-1052, one semester of mathematics, and four Disciplinary Exploration courses, one each from categories A (Arts and Humanities), B (Natural Sciences),

C (Anthropology/Sociology/Psychology)
and D (Political Science/Economics) of
the GECC

- Completion of Graduation Standards

Requirements for Earning a Second Degree

A Second Bachelor's Degree

Students who already hold a bachelor's degree from another institution or from Johnson State College may earn a second degree by completing the following requirements:

- Completion of at least an additional 30 credits through Johnson State College
- Completion of the requirements of a major unique from the first bachelor's degree major
- Requirements for double majors also apply
- Achievement of a minimum cumulative grade point average of 2.00

A Second Associate's Degree

Students who already hold an associate's degree from another institution or from Johnson State College may earn a second degree by completing the following requirements:

- Completion of at least an additional 15 credits at Johnson State College
- Completion of the requirements of a major unique from the major of the first associate's degree
- Requirements for double majors also apply
- Achievement of a minimum cumulative grade point average of 2.00

Requirements for a Double Major

Students wishing to earn a degree with a double major must meet the following requirements:

- Completion of degree requirements as listed under "Requirements for a Bachelor's Degree"
- Completion of the requirements of two unique majors
- For baccalaureate degrees, at least 30, and for associate's degree, at least 15, of the credits used to complete each major must be in courses not used to meet the requirements in the other major

Requirements for Academic Minors

An academic minor shall consist of a minimum of 18 credits in a discipline or field, at least six of which shall be at the 3000/4000 level. In general, students may not use the same courses used to satisfy requirements in a major to also satisfy requirements in a minor. Any questions should be referred to the department chair of the department sponsoring the minor. (See list of approved academic minors.)

Requirements for Post-Baccalaureate Teaching Licensure

Students who already have a bachelor's degree can earn teaching licensure through one of two pathways at JSC:

1. Students can work through the Graduate Program in Education on campus to become licensed to teach at the elementary, middle, or secondary level – either by completing the master's degree or a somewhat shorter, licensure-only program.
2. Students who do not have access to the program on campus can earn elementary or secondary licensure through the undergraduate External Degree Program that operates off campus at locations throughout Vermont and online.

In most cases for secondary licensure, however, at least a few courses must be taken on campus at JSC. In all cases, a transcript review by the appropriate JSC department is necessary to ensure that the student's prior coursework in a content area meets the requirements of JSC's program. Students interested in post-baccalaureate licensure should contact the JSC Graduate Office at 802-635-1244 or the External Degree Program Office at 802-635-1290.

General Education Requirements

General Education Core Curriculum (for campus-based students)

The GECC is designed to introduce students to a broad range of the liberal arts and sciences and to prepare them to become informed citizens of a democratic society.

The GECC has the following components:

- **First-Year Seminar Course:** All students entering JSC with fewer than 15 credits must take a First-Year Seminar course (FYS). Several FYS courses are offered in both the fall and spring semesters.
- **The Creative Audience:** Beginning fall 2009, all students entering JSC must successfully complete two semesters of The Creative Audience course. The Creative Audience is a course without a single classroom or meeting time. It is composed of arts, cultural, academic, and athletic events offered throughout the school year. The goals of The Creative Audience course are in keeping with the College's mission that students gain self-awareness and confidence, tolerance for and appreciation of cultural and intellectual diversity, and the ability to think through and solve problems creatively.
- **Part I: Fundamental Skills** requires students to complete two lower-division courses in writing and two in mathematics, and a writing-intensive course.
- **Part II: Disciplinary Exploration** requires students to complete a minimum of seven lower-division courses emphasizing the primary concepts, methods of inquiry and major achievements of the arts and humanities, the natural sciences and the social sciences.

- **Part III: Interdisciplinary** requires students to complete two upper-division, interdisciplinary courses. These courses use a topical approach and combine the tools of analysis from two or more disciplines. (Students not required to take a First-Year Seminar course are required to take three interdisciplinary courses.)

First-Year Seminar - 3 credits

Required of students entering the College with fewer than 15 credits.

The Creative Audience - 1 credit

As of fall 2009, all entering JSC students are required to complete two semesters, 0.5 credits each, of The Creative Audience. The Creative Audience requires attendance at approved campus events and activities.

Part I: Fundamental Skills - 15-16 credits

A. Expository Writing (9 credits):

1. ENG-1051: College Writing (3 credits), or ENG-1031 and 1032 (6 credits)
2. ENG-1052: Exposition and Analysis (3 credits). ENG-1052 should be taken after successfully completing ENG-1051, or ENG-1031 and 1032.
3. At least one writing-intensive course. (The fall and spring semester course bulletins identify courses that are writing intensive.)

4. **Writing Proficiency Examination.**
All students seeking a baccalaureate degree must pass the Writing Proficiency Exam in order to graduate. Effective academic year 2002-2003, the exam will be administered as part of ENG-1052, Exposition and Analysis. Students who do not attempt the exam at that time will receive a grade of Incomplete for the course. The Incomplete will be converted into a grade when students take the exam in a subsequent semester. Neither passing nor failing the exam will affect the letter grade for the course. Students who fail the Writing Proficiency Exam must take The Self-Sufficient Writer; those who fail the exam once may attempt it a second time before taking this course.

B. Mathematics (6-7 credits):

- MAT-1020 Intermediate Algebra
- MAT-1080 Quantitative Reasoning
- MAT-1221 Finite Mathematics
- MAT-1320 Pre-Calculus
- MAT-1531 Calculus I*
- MAT-2030 Probability and Statistics
- MAT-2140 Modeling the Environment

**Will satisfy the full, two-course requirement in itself.*

Part II: Disciplinary Exploration - 22 credits

One course from each of the following sub-categories, other than the sub-category that includes the student's major.

A. Arts and Humanities

1. *Literature/Philosophy*
COM-2050 Introduction to Film Study
ENG-1310 Introduction to Literature
ENG-2171 World Literature I
ENG-2172 World Literature II
ENG-2281 Survey of English Literature I
ENG-2282 Survey of English Literature II
ENG-2321 Survey of American Literature I
ENG-2322 Survey of American Literature II
ENG-2510 Women and Literature
PHI-1010 Introduction to Philosophy
PHI-1040 Introduction to Ethics

2. *History/Foreign Languages*
HIS-1111 World History I
HIS-1112 World History II
HIS-1211 American History I
HIS-1212 American History II
FRE-1111 French I
FRE-1112 French II
FRE-2011 French III
FRE-2012 French IV
SPA-1011 Spanish I
SPA-1012 Spanish II
SPA-2011 Spanish III
SPA-2012 Spanish IV
3. *Fine and Performing Arts*
ARH-2010 Survey of Western Traditions in Art
ARH-2060 Survey of Non-western Traditions in Art
ART-1011 Drawing I
ART-1140 Design
ART-2110 Introduction to Digital Media
ART-2251 Sculpture I
ART-2301 Photography I
DAN-1010 Fundamentals of Dance
MUS-1015 Meet the Masters
MUS-1030 Music Fundamentals
THA-1041 Introduction to Theater Arts

B. Natural Sciences (minimum of 7 credits; at least one course must include a laboratory)

1. *Life Science*
BIO-1210 Introduction to Biology
BIO-1211 Introduction to Biology: Ecology & Evolution
BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life
2. *Physical Science*
CHE-1031 General Chemistry I
ENV-1040 Introduction to Oceanography
ENV-1050 Introduction to Earth Science
PHY-1041 Physics I
PHY-1042 Physics II

**C. Anthropology/Sociology/
Psychology**

- ANT-1010 Introduction to Cultural Anthropology
- SOC-1010 Introduction to Sociology
- PSY-1010 Introduction to Psychology

D. Political Science/Economics

ECO-1020 Introduction to Economics
ECO-2020 Macroeconomics
ECO-2030 Microeconomics
POS-1010 Introduction to Political
Science
POS-1020 American Politics and
Government

Part III: Interdisciplinary - 6-9 credits*

Two interdisciplinary courses from the approved list below are required (Students not required to take a First-Year Seminar course must take three interdisciplinary courses.)

ARH-3210 Women in Art
BUS-3250 Organizational Behavior and
Management
DAN-3010 The Renaissance Spirit
EDU-3020 Educational Psychology
EDU-3110 Literature for Children
ENG-3270 Myth and Myth Making
HIS-3040 Ancient Civilizations of the
New World
HUM-3110 Native American History and
Culture
HUM-3115 Native American World View
and Spirituality
HUM-3120 The Abenaki and Their
Neighbors
HUM-3125 Religions of the World
HUM-3150 People and Cultures of the
Middle East and North Africa
HUM-3160 African Culture
HUM-3170 Popular Culture in America
HUM-3310 Culture through Cuisine
INT-3010 Natural Landscapes and
Literature
INT-3045 The Bible: History, Literature,
Spirituality
INT-3130 Compassion and You: An
Introduction to Mahayana Buddhism
INT-3150 Gödel, Escher, Bach: An
Eternal Golden Braid
INT-3210 The Holocaust: An
Interdisciplinary Approach
INT-4730 Topical Seminar: Peace and
War
MUS-3050 The Social History of Rock
and Roll
MUS-3040 Jazz in America

MUS-3220 History of Blues
MUS-3330 Worlds of Music
PHI-3150 Philosophy Through
Literature
POS-3050 Environmental Ethics and
Politics
POS-3070 Terrorism, Religion, and the
Nation-State
POS-3220 Genocide: Inhumanity Across
the Ages
POS-3270 Revolutions, Transformed
Economics, and Social Change
PSY-4080 Psychology and the Civil War
SOC-3040 Social Movement, Culture,
and Activism
SOC-3080 Wellness and Alternative
Medicine
SOC-4030 Global Health, Diversity, and
Policy
THA-3010 Shakespeare: "On the Stage
and on the Page"

NOTE:

- Business, elementary education, hospitality and tourism management, health science, outdoor education, and liberal arts majors must take the disciplinary exploration course in each of the seven sub-categories above.
- For students majoring in liberal arts, a maximum of 6 credits in the major can be used to fulfill the General Education Core Curriculum or the External Degree Program's General Education requirements.
- For students with a documented learning disability in mathematics, MAT-1070, Mathematics in our Culture, will count as one of the required mathematics courses to fulfill the GECC. For more information, please contact the Learning Specialist in the Academic Support Services Office.

EDP General Education Requirements (for EDP students)

Students enrolled in the External Degree Program must earn at least 60 credits in liberal arts. These credits must include the following components of general education:

Key Skills - 6 credits

- Mathematics (3 credits)
- Rhetorical Expression: (ENG-1220, 3 credits), or earn a waiver by successfully completing the Writing Assessment Essay. This requirement must be met by the end of a student's second semester or after completion of 15 credits in EDP. ENG-1220 meets the College's graduation requirement in writing for EDP students, and no other course or experiential credits can substitute for it.

Integrated Knowledge - 25 credits

- *Individual and Human Relationships* (6 credits). English literature or writing, languages, communications, psychology or other courses with a focus on understanding self and others.
- *Social and Historical Relationships* (6 credits). Sociology, history, political science, economics, law and other courses focusing on social institutions, movements, and problems past and present. At least three credits must emphasize an historical perspective.
- *Environmental and World Relationships* (7 credits). Sciences (physical, biological, environmental, health). At least four credits must use or study scientific method, including a lab or field study.
- *Universal and Philosophical Relationships* (6 credits). Studies with a focus on transcendent issues, symbolic systems, and aesthetic understanding. At least three credits must be in a consciously speculative field such as philosophy, religious studies, mythology, aesthetic or symbolic theory. Other credits can be in areas such as art, music or drama.

Graduation Standards

Johnson State College wants all students to achieve, and be able to demonstrate their mastery of, important skills. This commitment is consistent with the mandate of the trustees and presidents of the Vermont State Colleges (VSC), including Johnson State College, that all students, in order to graduate, must satisfy graduation standards in four areas: writing, quantitative reasoning, information literacy, and oral communication. As a mandate of the Board of Trustees and the Council of Presidents, the requirement to satisfy graduation standards supersedes all other catalog statements concerning academic regulations and requirements. Successfully fulfilling graduation standards at one VSC institution will be accepted as fulfilling the standards at any other VSC institution for an equivalent associate's or bachelor's degree.

All baccalaureate-level students must satisfy the following graduation standards as a condition for graduation:

- **Writing:** Students must pass the Writing Proficiency Exam or The Self-Sufficient Writer course (or, for External Degree Program students, Rhetorical Expression).
- **Quantitative Reasoning:** The college and its faculty are committed to a robust standard of quantitative reasoning. This standard contains two parts. The second part is being phased in (see below) and will be implemented fully as soon as is practicable:
 - First, students entering fall 2009 and later (spring 2010 and later for EDP) are required to pass the Quantitative Literacy Assessment exam or the Introduction to Quantitative Reasoning course. (Note: Students who entered prior to fall 2009—prior to spring 2010 for EDP—must complete the General Education requirement in mathematics to satisfy the first part of the Quantitative Reasoning standard.) AND

- Second, students graduating in May 2010 or later must pass one course designated as "quantitatively enriched." The College and its faculty intend that, as soon as possible after that, a second "quantitatively-enriched" course will be required of baccalaureate-level graduates.

- **Information Literacy:** Students must complete the Information Literacy Tutorial (TILT) and score 80% or higher on each of the three accompanying quizzes. The TILT and quizzes will be available to the student on the VSC Blackboard site after s/he registers for a section of GRS-3000.
- **Oral Communication:** Students must receive passing scores on the Oral Communication Grading & Evaluation Form for **two** oral presentations, each at least five minutes long.

All associate-level students must satisfy the following graduation standards as a condition for graduation:

- **Writing:** Starting with those entering fall 2009, students must pass the Writing Proficiency Exam or The Self-Sufficient Writer course.
- **Quantitative Reasoning:** Students must pass the Quantitative Literacy Assessment exam or the Introduction to Quantitative Reasoning course (for those entering fall 2009 and later) or the GECC requirement in mathematics (for those entering prior to fall 2009).
- **Information Literacy:** Students must complete the Information Literacy Tutorial (TILT) and score 80% or higher on each of the three accompanying quizzes. The TILT and quizzes will be available to the student on the VSC Blackboard site after s/he registers for a section of GRS-3000.
- **Oral Communication:** Students must receive a passing score on the Oral Communication Grading & Evaluation Form for **one** oral presentation at least five minutes long.

Comprehensive information about JSC graduation standards may be obtained by consulting "JSC Graduation Standards," available through the Vermont State Colleges' Blackboard portal. Students may receive electronic (through JSC e-mail addresses) communications about the required graduation standards, and the instructions to satisfy them.

Academic Regulations and Requirements

By enrolling for courses, students obligate themselves to abide by the policies set forth in this catalog and in other College publications.

Registration

Students pursuing a bachelor's or associate's degree from Johnson State College must be formally accepted through the Admissions Office before they may be registered for courses. Continuing undergraduates are expected to pre-register for their courses in November for the following spring semester and in April for the following summer and fall semesters. Students are notified of exact dates and instructions via e-mail one to two weeks prior to the registration period. EDP students receive registration materials well before the start of each semester. EDP students confer with their advisors, who must approve course selections and who can register the students for classes. When registering for courses at institutions outside of the Vermont State Colleges, EDP students submit a tuition transfer form available from the EDP office. A late fee may be assessed for registrations after the published deadline.

Class attendance does not in itself signify registration. Students must properly register for each of their courses in order to receive academic credit for work completed.

All students must meet state immunization requirements and must be cleared by the Business Office (see payment procedure section for details) in order to register for classes.

Dual-Enrollment Consortium Agreement

Students matriculated at Johnson State College (their home institution where they have been officially accepted) and enrolled in JSC courses may simultaneously enroll in courses at two or more VSC institutions. With the exception of the summer term, students follow the home institution's procedures for course selection, course add/drop/withdrawals, advising, financial aid, and billing. This agreement does not supersede existing External Degree Program arrangements; these arrangements remain unchanged by this agreement.

Non-degree students establish non-degree status at an institution by registering for a class at the institution. If that is the only institution where they are taking classes, that institution becomes their home institution. If they are taking classes at more than one VSC institution, the institution where they take the majority of credits is the home institution. If they are taking equal numbers of credits at two or more institutions, they may choose their home institution.

Class Membership

Students are classified for academic class membership and administrative purposes on the basis of semester credits earned according to the following schedule:

Number of Credits Earned	Academic Class
0-29.9	Freshman
30-59.9	Sophomore
60-89.9	Junior
90 or more	Senior

Auditing Courses

No credit or grades are assigned for audited courses. A per-credit tuition fee of one-half of in-state or out-of-state rates, whichever applies, is charged. Courses that are audited do not count toward a student's credit load and are not eligible for financial aid.

Students wishing to audit a course should follow normal registration procedures, indicating AU as their grade option at the time of registering. The choice to audit a course must be made prior to the end of the add/drop period, and it does not apply to programs/courses with already reduced tuition rates (i.e. Extension).

Basic Skills

Recognizing that basic writing and mathematic skills are essential to successful completion of college-level work, and in accordance with the Vermont State Colleges' Basic Academic Skills policy, Johnson State College assesses the skill level of all new students in these two areas. On the basis of this assessment, students who do not possess college-level skills in either or both of these areas are directed into courses designed to address their skill deficiencies. These courses should be taken during the student's first year at Johnson State College.

Please note that these basic skills courses whose course number begins with a "0" (i.e., MAT-0410) do NOT count toward total credits required for graduation, although they do count in determining full-time status and semester grade point average.

Class Attendance

Students who register for a course prior to the first week of the semester or during the first day of the semester are expected to attend at least one of the first two class sessions. A faculty member may fill absent places with students wishing to enter the course and refuse entry to absent students when they appear. Faculty members may also refuse to admit a student to the class

after the beginning of the semester, if they believe the student cannot complete missed work. In this case, the registered student is responsible for dropping the course from his/her schedule.

For EDP weekend courses, please note that attendance is MANDATORY at all Saturday and Sunday classes. Students should not register for these weekend courses if they know before the semester begins that they cannot attend all classes.

Course Add/Drop/Withdrawal

Students approved for online registration may add courses online until the start of the semester and drop courses online until the end of the second week of the semester, except for the summer semester, in which case students should refer to the policies and procedures specific to that program. All students may add or drop a course until the end of the second week of the semester by completing a course Add/Drop/Withdrawal Form and submitting it to the Registrar's Office. Second-half semester courses may be added or dropped until the end of the second week of the second half of the semester. If a course is dropped, it will be removed from the student's academic record and may result in an adjustment to a student's bill and financial aid. Students are encouraged to contact the Business and Financial Aid Offices before dropping a course. After the second week of the semester and until the end of the ninth week of the semester, a student may withdraw from a course by completing a course Add/Drop/Withdrawal Form and submitting it to the Registrar's Office. If a student withdraws from a course, the course will appear on the transcript with a "W" grade, and will not affect a student's grade point average. In most cases, a withdrawal from a course does not affect a student's bill or financial aid award. Students withdrawing or dropping all courses will be considered as departing from the college and must complete the student Exit Notification Form. Please see

Johnson State College's refund policy within this catalog.

Students registered through JSC for courses at other non-VSC institutions must drop or withdraw from courses at both colleges. Students will be charged for any tuition and fees that the other institution charges JSC.

Formally Declaring a Major

Campus-Based Students

After earning 45 credit hours in a bachelor's degree program, or 12 credit hours in an associate's degree program, all campus-based students must formally declare a major with the Registrar's Office if they have not already done so. Transfer Students: Students transferring in 45 credit hours or more for a bachelor's degree, or 12 credit hours for an associate's degree program, must declare a major within the first semester of their program.

A student may declare any major officially in existence at the time the student declares a major. The Plan of Study outlines the requirements in the student's major and describes how the student intends to meet those requirements.

EDP Students

In the first semester of their program, all EDP students must prepare a Degree Plan with the help of their advisor. Students may write Degree Plans in the following majors: business management, elementary education, professional studies, liberal arts, and psychology. Other JSC programs, including secondary teaching licensure and post-baccalaureate licensure, are available with Degree Plans submitted and approved before the student begins his or her studies. For details on degree requirements, see the sections in this catalog on particular academic departments.

EDP students may not graduate until their Degree Plans have received approval by the appropriate group (EDP co-directors for professional studies and liberal arts majors, departmental faculty approval for all other

majors). If a student has not submitted a Degree Plan by the last review meeting of the second semester in the program, the program's co-directors may recommend administrative dismissal for one semester.

Discontinued Majors

The following provisions apply with regard to discontinued majors:

- Students who have previously formally declared a major may not at a later time switch into a major designated as discontinued.
- Students failing to make a formal declaration of a major by the end of their sophomore year, as is required, may not at a later time declare a discontinued major.
- Former students who are not on an approved Leave of Absence and have returned may not pursue a discontinued major.

Grading

Johnson State College employs letter grades as indicated below:

Grade	Explanation	Grade Points
A+	High competence	4.00
A	High competence	4.00
A-	High competence	3.70
B+	Good competence	3.30
B	Good competence	3.00
B-	Good competence	2.70
C+	Moderate competence	2.30
C	Moderate competence	2.00
C-	Moderate competence	1.70
D+	Minimum acceptable competence	1.30
D	Minimum acceptable competence	1.00
D-	Minimum acceptable competence	0.70
F	Failing	0.00
I	Incomplete (See Incompletes below)	
P or NP	Pass/No Pass	
NG	No grade indicates that no grade has yet been submitted. The grade will be recorded upon course completion.	
TR	Transfer credit	
CR	Credit granted (non-course work)	
W	Withdrawn*	
AU	Audit	

**Withdrawals are recorded by the Registrar's Office only after an authorized course withdrawal on page 16.*

In general, faculty grades are due at the Registrar's Office 48 hours after each course's final examination.

Pass/No Pass Option

Students may elect to be graded on a Pass/No Pass basis. The Pass/No Pass option is designed to encourage students to take courses that they otherwise would not take for fear of receiving low grades. For performance of D- work or better, a grade of P (Pass) is recorded on the student's record.

Credit is received for P grades, but the grades do not affect the student's grade point average. Failing work is recorded as NP (No Pass). NP grades do not earn credit nor does the grade affect the student's grade point average. Students select this option by indicating P/NP as their grade option when they register.

Courses taken with a grade of P do not count toward requirements of the General Education Core Curriculum, EDP General Education requirements, or in general, the requirements of a student's major or minor. In addition, students may NOT take Basic Skills courses as Pass/No Pass.

Incompletes

The grade of Incomplete (I) may be given to work of satisfactory quality when the amount of required work has not been completed because of illness or other reasons beyond the control of the student. A grade of I is not to be used instead of the grade of F in situations involving a student's lack of ability or negligence. Grades of I will automatically revert to an F if a final grade, or alternate default grade, is not submitted to the Registrar's Office prior to the Incomplete deadline submitted by the instructor with the I grade. In general, grades of Incomplete are to be completed by the end of the seventh week of the semester immediately following the semester in which the Incomplete grade was given. Courses carried through with an I into the following semester do not count toward the student's credit load for tuition billing purposes or for additional credit toward graduation.

Not Graded Work

The grade of NG may be given for a course when an instructor has not yet assigned grades for the course. This may happen when a course is still in progress at the semester deadline for grade submission. Course work carried into a second semester with a grade of NG does not count toward student's credit load for tuition billing purposes or for additional credit toward graduation in the second semester.

Repeat Course Option

Students may repeat any course* that they have previously taken to attempt to earn a higher grade. When a course has been repeated within the Vermont State College system (VSC), the initial grade remains on the transcript but is taken out of the student's cumulative GPA. The most recent grade will be the only one computed in the student's cumulative average. Credit in the course may be earned only once. If the credit value of the course has changed, the repeated course is worth the new credit value.

When repeating a course at another institution outside of the VSC, the initial grade remains on the transcript but is taken out of the student's cumulative GPA. The grade from the repeated course being transferred to JSC will show as a transfer but will not be counted in the student's cumulative GPA.

Students may choose to use the Pass/No Pass option when registering for a repeat course, (see Pass/No Pass option). If a grade of NP is earned, the repeat will not count. If a course was originally taken under a prior grading system, the effect on the student's average will be determined by using the new system.

**Some courses as indicated in the Course Description section of the catalog may be taken multiple times for credit.*

Auditing a Course

No credit or grades are assigned for auditing courses. For additional information, see the registration section of this catalog on page 15.

Credit Granted (CR) for Non-Course Work

Students who are granted credit on the basis of CLEP examinations, military credit, lifetime experience portfolios, AP courses or other similar circumstances (as determined by Johnson State College) will receive a CR in the grade field. CR distinguishes the credit from TR, which is used for credits

that are transferred in from another college or university.

Graduation

Application for Degree

The responsibility for your education ultimately rests in your own hands. Likewise, the timely completion of the paperwork associated with the award of your degree is your responsibility as well. Failure to take the required steps for application for degree may delay your graduation, even if all other graduation requirements have been completed. The Registrar and Associate Registrar are available to review the academic records of seniors.

Only students who are currently matriculated may graduate. Students absent from the College and not on a Leave of Absence who are seeking to complete a degree with Johnson courses must apply for readmission.

A student who anticipates completion of his/her degree requirements should file an Application for Degree with the Registrar's Office **early in the semester prior to his/her last semester**. This may allow time for the student to pick up additional courses or complete outstanding paperwork during his/her last semester if necessary. The Registrar's Office will carry out a detailed degree audit, identifying where the student stands in relation to completion of degree requirements. The results of the degree audit will be given to the student and to his/her advisor. An Application for Degree fee will be charged to the student's account.

Conferring of Degrees

Degrees are conferred once each year in a Commencement ceremony at the end of the spring semester. Diplomas are dated August, December, or May for students completing studies in summer, fall, or spring semesters, respectively. Students will receive their diplomas in the mail once

completion of all degree requirements is verified by the Registrar's Office.

Participation in Commencement

Only students who have completed all degree requirements will be allowed to participate in the Commencement ceremony. The College recognizes that there may be occasions when special circumstances arise. Under such unusual circumstances, students may petition the Academic Dean or his/her designee to participate in Commencement. Students must, however, be within 8 course credits or a single experience (such as an internship or a Graduation Standard) of completing graduation requirements. No other exceptions will be considered. The decision of the Academic Dean or his/her designee is final and may not be appealed to the President.

Students participating in the Commencement ceremony will be required to wear a cap and gown, which can be ordered and charged through the College Bookstore.

Graduating with Distinction

Effective for the graduating class of spring 2006, of the total credits required for graduation, at least 30 credits for a two-year degree and 60 credits for a four-year degree must be earned within the Vermont State Colleges by the end of the previous fall semester. (Credits earned before 2002 are **not** used in this calculation unless earned from Johnson State College.) Graduating students who have earned a cumulative grade point average of 3.90 or better **through the fall semester of their graduation year** will be awarded their degree "summa cum laude." Those who earn a 3.70 average will be awarded degrees "magna cum laude." Those who earn a 3.50 average will be awarded degrees "cum laude." (*If the above standards are obtained by the end of the spring semester of the graduating year, the appropriate distinction is recorded on the diploma and transcript but is not acknowledged at Commencement.*)

Graduation honors for certificate programs require final, cumulative GPA as follows: honors, 3.00-3.49; high honors, 3.50 or above.

Academic Honesty

Students are expected to conform to the highest standards of academic honesty in all of their academic work at Johnson State College. Academic dishonesty in any form is prohibited and unacceptable. Acts of dishonesty for which a student may be disciplined include, but are not limited to, receiving or providing unauthorized assistance on an examination and plagiarizing the work of others in writing assignments. The *American Heritage Dictionary* defines plagiarism in the following way: "To steal or use (the ideas or writings of another) as one's own." Students are responsible for knowing what specific acts constitute plagiarism; if students are uncertain as to whether a particular act constitutes plagiarism, they should consult with their instructors before turning in assigned work.

Any faculty member who suspects that a student has committed an act of academic dishonesty will bring this suspicion to the attention of the student and provide the student with an opportunity to respond. Should the faculty member subsequently determine that the student has committed an act of academic dishonesty, he/she will assign a penalty for the offense, which may be a failing grade for the specific work submitted or a failing grade for the course. The student will be notified in writing of the faculty member's action, and he/she may appeal the penalty in writing to the Academic Status Committee (for campus-based students) or the Academic Review Board (for EDP students). Upon receiving any such appeal, the Academic Status Committee/EDP Academic Review Board will consider evidence relative to the charge and determination, and will affirm, reverse, or modify the finding and/or penalty of the faculty member. Decisions of the Academic Status Committee/EDP Academic Review

Board may be appealed, in writing, to the Academic Dean. Records of all incidents of academic dishonesty will be maintained in the Academic Dean's Office. Repeated incidents of academic dishonesty will subject a student to dismissal from the College.

Academic Standing

Good Academic Standing

A student who has 30 or more earned or GPA credits, whichever is higher, and whose cumulative grade point average is 2.00 or above (1.75 for students with fewer than 30 earned or GPA credits, whichever is higher) is considered to be in good academic standing. The cumulative and semester averages are calculated by including only the graded credits (A, B, C, D, F) earned during the current and past semesters. These averages do not include courses bearing other grade designators (*i.e.*, grades of Incomplete).

Academic Warning

A student whose cumulative average is in good standing or above but whose semester average is below good standing (see above) will receive a letter of warning from the College. There are no punitive aspects to this warning status.

Academic Probation

Academic probation serves as an official warning from the College that a student's performance has been substandard. A student whose cumulative GPA falls below good standing (see above) shall be placed on academic probation. Students remain on academic probation until they raise their cumulative grade point average to good standing, or until they fall below the dismissal standard (see "Academic Dismissal"). Students on academic probation who have less than 30 earned or GPA credits, whichever is higher, must work with the academic probation counselor to create a plan for academic success. When a student voluntarily

withdraws from the College while on probation status, or is academically dismissed and later readmitted, he/she will return on probation.

Academic Dismissal

Students on academic probation will be academically dismissed if:

- They fail to achieve a semester grade point average of 2.00 having 30 or more earned or GPA credits, whichever is higher (1.75 having fewer than 30 earned or GPA credits, whichever is higher), during the semester on probation.
- Any new, first-year student with no previously earned credits who fails to achieve a grade point average of at least 0.70 in the first semester will be academically dismissed.
- Students who successfully appeal academic dismissal may be placed on stipulated probation and may be required to sign a contract to abide by conditions set forth by the Academic Status Committee. Failure to comply with any portion of this contract may result in immediate dismissal from Johnson State College.
- Students academically dismissed may reapply for admission generally after two regular semesters of absence. Students must follow the regular procedure for application to the College for re-admission and will remain on probation upon their return.

Incomplete Grades in Relation to GPA/Good Standing

Calculation of a semester or cumulative grade point average does not include any Incomplete grade that a student has earned during the semester. Students who receive an Incomplete grade in one or more courses during a semester are held academically liable for the completion of the course. *Students who have an Incomplete grade for a semester will not be eligible for the Dean's or President's Lists until a final grade has been submitted for that Incomplete.*

Appeal Process for Academic Dismissal

A student who has been academically dismissed may appeal his/her academic status by writing a letter to the Academic Status Committee (for campus-based students) via the Registrar's Office or to the EDP Academic Review Board (for EDP students). This letter of appeal should include any mitigating or extenuating circumstances that may have contributed to the poor academic performance. Decisions of the Academic Status Committee/EDP Academic Review Board may be appealed to the Academic Dean or his/her designee.

Early Warning Notification

The purpose of early warning notification is to send a clear message to students who are performing poorly in 1000- and 2000-level courses, and to do so early enough in the semester for corrective action to be taken. During the fifth week of the semester, students who are performing at a grade level of D or below in a 1000- or 2000-level course will receive an early warning notification.

Academic Forgiveness

Johnson State College recognizes that some academically able students for various reasons have poor previous academic records. A student who has been out of college for at least two (2) academic years may appeal to the Academic Dean at the end of the first semester of subsequent attendance in good standing (generally a 2.00, see Good Academic Standing policy within this catalog) at JSC to have a previous semester set aside.

Setting aside a previous semester is done by notation on the permanent JSC transcript, not by removing any previous course or grade. Grades of C and above, and the credits derived from those grades, will remain. Grade history will be removed from cumulative totals only, and grades

cannot be ameliorated if they have already been included in calculations for awarding a degree.

Academic Honors (President's/Dean's List)

Matriculated (degree-seeking) students who complete 12 or more Vermont State College graded credits in a single semester and who have no Incomplete, NP, F, or blank grades are eligible for the President's and Dean's List under the following standards:

- Students who achieve a 4.00 semester average will be placed on the President's List.
- Students who achieve between a 3.50 and 3.99 semester average or above will be placed on the Dean's List.

Honors Convocation

Every spring, the College hosts Honors Convocation, an event at which the College and departments award prizes and scholarships to students who have distinguished themselves in the classroom, in the community, and on the playing field.

Transfer of Credit

Transfer within the Vermont State Colleges System

College-level credits earned with a grade of C- or better at any VSC degree-granting institution *prior to summer 2002* are fully transferable to JSC. These transfer credits do not count in a student's GPA. Credits earned at any VSC degree-granting institution *during and after summer 2002* are not considered transfer credit but rather institutional credit, and, therefore, grades earned are counted in a student's GPA. Each credit taken in fulfillment of a GECC requirement at another VSC institution counts toward fulfillment of GECC requirements at JSC in appropriate categories. If you leave one VSC institution

while on academic probation and are accepted at another VSC institution, your academic probation status goes with you.

Transfer of Credit from Other Institutions

In order to be eligible for the transfer of credits from other institutions, you must be a matriculated (degree-seeking) student at Johnson State College. Matriculated students at Johnson State who wish to take courses at other institutions and have credits transferred to Johnson State must obtain prior written approval from the Registrar. Transfer credits will not be accepted from non-matriculated students.

Transfer credit may be granted by Johnson State College for college-level courses completed with the equivalent of a grade of C- or better at regionally accredited or officially approved institutions of higher education. Credit for a D in a course may be granted if the second semester of a two-semester, sequential course is completed with a C- or better. In addition, for transfer students holding a two-year associate's degree from an accredited institution, credits applied to that degree will be accepted as transfer credit. Credits earned in a quarter system count as two-thirds of a semester credit. The grades attached to credits accepted in transfer are not calculated in a student's cumulative grade point average.

Johnson State requires that a student accumulate at least 39 credits of upper-level work in order to graduate. Transfer credits are normally accepted as lower-level credits. Students who believe that transferred credits were upper-level work should present documentation (usually in the form of a catalog from the transferring institution) to the Registrar's Office for consideration.

Credits accepted for transfer are not necessarily accepted as meeting requirements in a student's major or for General Education requirements (see "Transfer Credit Policy and Procedures.")

The Registrar will evaluate credits for experiential learning and credits from unaccredited institutions to determine their applicability toward graduation requirements. An associate's degree and an R.N. diploma will be accepted as 60 credits.

Assessment of Prior Learning

Learning acquired through work or other non-college experiences may be assessed for college credit. The Assessment of Prior Learning (APL) course (see course listing below), taught through the Community College of Vermont, is designed for this purpose. Students are guided through the process of describing and documenting their experiential learning in a portfolio. This document is then reviewed for credit by an Advance Standing Committee composed of appropriate faculty and professionals. The credit awarded through the Office of External Programs may be transferred to JSC and the other Vermont State Colleges. The Registrar, in consultation with faculty and staff of the appropriate departments, will evaluate these credits to determine their applicability toward graduation requirements.

EDU-1240 Assessment of Prior Learning (3 cr.)

(Offered through Community College of Vermont)

This course is an opportunity for students to earn college credit for prior learning acquired either on the job or in other settings. Students explore past learning experiences and identify future educational goals. Students develop an individual portfolio describing and documenting prior learning. Upon successful completion of the course, students may submit their portfolio to the Office of External Programs for review of credit requests. Recommended prior learning: ENG-1051 College Writing or equivalent. (Before enrolling, students should consult the Academic Support

Services Office at Johnson State College at 802-635-1259.)

Internships

Internship placements exist for matriculated students who wish to gain practical experience in a particular field. The internships are individually designed to meet the needs of the students. Each student is assigned a faculty member from JSC and a site supervisor to ensure successful completion of the work experience. The eligibility requirements for participation in an internship are established by the faculty in each academic department. Internships in every major, at both the lower-division and upper-division levels, are available for one through 12 credits; each credit hour represents a minimum of 40 work hours (except for HTM internships which require 150 hours per credit). Internships are graded on a Pass/No Pass basis only. In addition to regular per credit tuition charges, a \$45 internship fee will be assessed and charged to the student's account.

Independent Study

Independent studies are more academic and research-based in nature and often replace a regular class. Each student pursuing an independent study works under the direct and regular supervision of a faculty member. The goals, objectives, and performance measures for independent study are defined in a formal contract between the faculty supervisor and the student and approved by the Academic Dean. For all students, a maximum of 21 credits of independent study can be taken during pursuit of a bachelor's degree. In addition to regular per credit tuition charges, a \$30/credit fee will be assessed and charged to the student's account.

Students receiving veterans' educational benefits must comply with specific V.A. regulations with regard to independent study. (See Veterans' Benefits on page 206)

Summer College

Johnson State College offers a limited schedule of courses in the summer. See the Summer Bulletin and the JSC website for specific course information, rates, and registration procedures.

Tuition for summer college is charged at the regular in-state rate for Vermont residents and at 150 percent of the in-state rate for all out-of-state students.

National Student Exchange

The National Student Exchange (NSE), coordinated out of the Advising and Career Center, is a network of nearly 200 institutions of higher education in the United States and Canada. Through NSE, JSC students who meet eligibility requirements can spend a semester or a year at one or more of these institutions, earning credits toward their JSC degree. In addition, international exchange opportunities are available through participating institutions that open their study abroad programs to NSE exchange students. Following a semester or year exchange, students return to JSC to complete their degrees. Credit is earned by transfer.

Continuing Education

Continuing Education students are students who wish to take one or more undergraduate courses at JSC for college credit but who are not formally admitted as matriculated (degree-seeking) students. However, to be eligible to enroll in the Continuing Education Program, students must have a high school diploma or a GED. Students who wish to enroll in Continuing Education should request registration information from the Registrar. Continuing Education students may enroll in all courses listed in the catalog, if space is available. In most cases, Continuing Education students are ineligible for state,

federal, or college-sponsored financial aid; however, they may be eligible for the VSAC non-degree grant. (Graduate courses are generally available only to students who have completed a 4-year degree.)

Extension Courses

The College occasionally offers special courses to selected audiences at various locations. These courses are not listed in this catalog but are separately advertised or sponsored through agencies or other institutions. Extension students generally register via materials given to them at their first class session.

Army ROTC

Johnson State College offers an Army ROTC program in collaboration with the University of Vermont. The program leads to an officer commission as a second lieutenant in the United States Army, Army Reserve, or Army National Guard. Scholarships are available to qualified applicants. For further information, contact the Department of Military Studies at the University of Vermont, 128 University Heights, Burlington, Vermont, 05401.

Email: uvmrotc@zoo.uvm.edu.

Homepage:

<http://www.goarmy.com/rotc>

Leave of Absence

Campus Programs

Students in good academic standing, who have an approved Plan of Study on file, if required, and wish to interrupt their studies for a period not to exceed two consecutive regular semesters, may request a Leave of Absence. Students on a Leave of Absence do not need to apply for re-admission and will be allowed to pre-register during the regular advance registration period.

Students may apply for a Leave of Absence by completing a Student Exit Notification

and Leave of Absence Form. The leave is not official until the request is approved by the Registrar. A leave for one or two consecutive regular semesters may be requested prior to the add/drop deadline. In special circumstances, the Leave of Absence may be extended beyond the approved period with the approval of the Registrar.

External Degree Program (Stop Out Policy)

EDP students must register for a minimum of three credits a semester to maintain active status in the External Degree Program. However, EDP students may take a semester or more off and re-enter the program when it is convenient, and do not need to complete a Leave of Absence Request Form. Any credits taken while out of the program that fit into their degree plan may count toward graduation as long as 30 of the last 39 credits are registered through JSC/EDP. There is no fee for re-entry. If a student has been out of the program longer than five years, he/she must reapply to the External Degree Program and submit a new Degree Plan for approval. Approval will be contingent, in part, on availability of courses and the student's access to them.

Exiting from the College

A student voluntarily exiting from the College must do so formally and in writing by completing a Student Exit Notification and Leave of Absence Form.

The transcripts of students exiting the College after the beginning of classes and prior to the withdrawal deadline (week nine) will show W grades for all courses enrolled in that semester. The transcripts of students exiting the College after the ninth week will show earned grades of A-F submitted by their instructors at the end of the semester.

Students who exit from the College may reapply by making formal application with the Admissions Office. The W grades received will be used in making an admission decision. For refunds on room, meal plan, and tuition charges, see the refund policy in this catalog.

Requesting a Transcript

Official transcripts are available at no charge to students upon a written, signed request to the Registrar's Office. Transcripts for students who have bills past due or other obligations to any of the Vermont State Colleges will not be released until all bills are paid. Students requesting a transcript toward the end of any semester should indicate whether they want it sent immediately or whether it should be held until final grades are recorded. In the latter case, transcripts will not be sent out until at least the third week following the end of the semester.

Appeal of Academic Policies

Students may appeal any academic regulation or decision to the Academic Status Committee of the Faculty Assembly (for campus-based students) or the EDP Academic Review Board (for EDP students) and then to the Academic Dean and President of the College. Information on procedures for appeal may be obtained from the Registrar's Office.

Academic Departments

Behavioral Sciences - page 28

B.A. in Anthropology and Sociology (J.BA.ANS)
B.A. in Psychology (J.BA.PSY)
B.S. in Wellness & Alternative Medicine (J.BS.WAM)
Minors: Anthropology and Sociology, Psychology

Business & Economics - page 37

B.A. in Business Management (J.BA.BUS)
B.A. in Hospitality and Tourism Management (J.BA.HTM)
A.S. in Management (J.AS.BMG)
Minor: Business (for non-business majors only) (J.CT.NPM)
Certificates: Nonprofit Management, Small Business Management (J.CT.SBM)

Education - page 44

Elementary Education (K-6) (J.BA.EED)
Secondary Education Licensure in: Art (K-6, 7-12, K-12), Dance (7-12), English (7-12), Life Science (7-12), Mathematics (7-12), Music (K-12), Physical Education (K-6, 7-12, K-12), Physical Science (7-12), Social Studies (7-12), and Theater Arts (7-12)

Environmental & Health Sciences - page 57

B.A. in Biology: Field Naturalist (J.BA.BIO)
B.A. in Outdoor Education (J.BA.OED)
B.S. in Biology (J.BS.BIO)
B.S. in Environmental Science/Natural Resources (J.BS.ENV)
B.S. in Integrated Environmental Science (J.BS.INS)
B.S. in Health Sciences (J.BS.HSI)
Minors: Adventure Education, Biology, Chemistry, Environmental Education, and Natural Resources
Licensure Programs in Life Science (7-12), Physical Education (K-6, 7-12, K-12), and Physical Science (7-12).

Fine & Performing Arts - page 74

B.A. in Art (J.BA.ART)
B.A. in Music (J.BA.MUS)
B.A. in Musical Theater (J.BA.MTH)
B.A. in Theater and Drama (J.BA.TAD)
B.F.A. in Studio Arts (J.BF.STA)
A.A. in Technical Theater (J.AA.TTH)
Minors: Arts Management for Theater Majors, Dance, Music, Studio Arts, and Theater
Licensure Programs: Art (K-6, 7-12, K-12), Dance (7-12), Music (K-12), and Theater Arts (7-12)

Humanities - page 95

B.A. in History (J.BA.HIS)
B.A. in Political Science (J.BA.POS)
A.A. in General Studies (J.AA.GEN)
Minors: French, History, Political Science, Pre-Law, and Spanish
Licensure Program: Social Studies (7-12)

Mathematics - page 100

B.S. in Mathematics (J.BS.MAT)
Minor: Mathematics
Licensure Program: Mathematics (7-12)

Writing and Literature - page 103

B.A. in English (J.BA.ENG)
B.A. in Journalism (J.BA.JOU)
B.F.A. in Creative Writing (J.BF.CWR)
Minors: Creative Writing, Journalism, and Literature
Licensure Program: English (7-12)

Inter-Departmental Programs - page 109

B.A. in Liberal Arts (J.BA.LIA)
B.A. in Professional Studies (J.BA.PRO.EDP)
Minor: Gender Studies

Department of Behavioral Sciences

Degree Programs

Anthropology and Sociology (B.A.)
Psychology (B.A.)
Wellness and Alternative Medicine (B.S.)

Minors

Anthropology and Sociology
Psychology

Other

Massage Therapy and Bodywork
Certificate Program through CCV (See
Wellness and Alternative Medicine)

Faculty / Staff

David Fink, *Professor*
Susan Green, *Professor*
David Hutchinson, *Professor*
Gina Mireault, *Professor*
Eleanor Webber, *Professor*
William Brower, *Associate Professor*
Jerry Himmelstein, *Assistant Professor*
Vicky Sanborn, *Administrative Assistant*

Bachelor of Arts in Anthropology and Sociology

With integrative study in anthropology and sociology, students learn to appreciate, understand, and investigate how diversities and social structural arrangements among people affect the distribution of power around the globe and subsequent possibilities for people to co-exist in a fair, socially just world and to personally live robust and ecologically sustainable lives. Anthropology explores the range of cultural and biological differences and similarities among all peoples. Some topics include: evolution, environment, symbolism, values, art, healing, religion, and consciousness. Anthropology's emphasis upon cultural relativism reveals the rich diversity of human life within the global setting. Sociology investigates social interaction, the societal forces of inequality, power, and the role of social structure including the family, economics, politics, education, religion, and the media that collectively organize the lens through which we organize, and makes sense of, our behavior and relationships. Students combine unique understandings of how and why people behave the way they do with knowledge of the impact of technology, globalization and diversity toward careers in the service industry, social work, police and correction agencies, personnel management in corporations, and in the nonprofit management sector.

Learning Outcomes for Anthropology/Sociology Majors

Anthropology and Sociology graduates should be able to demonstrate their:

1. Knowledge of the concepts, theories, and methodologies of cultural and social forces and their impact on personal life choices, community relationships, national issues, and globalization.
2. Holistic, interdisciplinary critical thinking in a way that integrates oral, written, visual, geographic, computer-based, and media literacy skills, to evaluate and communicate the "bigger picture" of societal institutions and multi-cultural forces on our personal choices, our societal arrangements, and our global involvements.
3. Cultural diversity skills that acknowledge the many beliefs, values, languages, norms, sanctions, symbols, and technologies that inform lifestyles across the globe.
4. Informed knowledge of the power of social and cultural forces to bear upon both personal life choices and on civic responsibility and accountability to co-create a socially just, diverse and sustainable world.

5. Preparedness to further their education or enter careers that require interpersonal, multi-cultural knowledge and "people skills" in diversity, global awareness, and social justice. Careers include education, personnel management, social service agencies, government positions doing research and training, criminal justice, and international intelligence agencies.

Anthropology and Sociology Requirements

Required Courses		Credits	Semester
Core Courses (15 credits)			
ANT-1010	Introduction to Cultural Anthropology	3	_____
SOC-1010	Introduction to Sociology	3	_____
ANT-3110	Development of Anthropological Thinking OR		
SOC-4020	Sociological Theory	3	_____
ANT-3120	Science, Research Methods, and Ethics	3	_____
ANT-4720	Senior Seminar in Anthropology and Sociology	3	_____
Electives (18 credits required)			
At least 6 credits from ANT courses:			
ANT-3020	Global Healing, Consciousness, and Religion	3	_____
ANT-3040	Culture Change in the Modern World	3	_____
ANT-3130	Culture and Personality	3	_____
ANT-4010	Anthropology of Death	3	_____
ANT-4020	Multicultural Studies of Healing	3	_____
ANT-4730	Topical Seminar in Anthropology	3	_____
At least 6 credits from SOC courses:			
SOC-2040	Race, Ethnicity, Class, and Gender	3	_____
SOC-2050	Drugs, Herbs, and Society	3	_____
SOC-2140	Sociolinguistics	3	_____
SOC-2150	Social Solutions	3	_____
SOC-3020	Environment and Society	3	_____
SOC-3040	Social Movements, Culture, and Activism	3	_____
SOC-3050	Gender and Society	3	_____
SOC-3060	Sexuality and Intimacy	3	_____
SOC-3080	Wellness and Alternative Medicine	3	_____
SOC-3130	Mass Media and Society	3	_____
SOC-3230	Alternative Medicine, Science, and Disease	3	_____
SOC-4010	Family Violence	3	_____
SOC-4030	Global Health, Diversity, and Policy	3	_____
SOC-4730	Topical Seminar in Sociology	3	_____

Required Courses	Credits	Semester	
Up to 6 credits of optional, related disciplinary options:			
CSV-1011	Principles in Community Service Learning	2	_____
CSV-1012	Community Service Learning	1	_____
CSV-3010	Leadership Through Volunteer Service Learning	1	_____
FRE-1111	French I w/lab	4	_____
FRE-3010	Culture and Civilization Through Correspondence and Conversation	3	_____
HIS-2210	Women in U.S. History	3	_____
HIS-2410	Latin American History and Culture	3	_____
HIS-2440	African Civilization	3	_____
HIS-3450	Women in European History	3	_____
HUM-3150	People and Cultures of the Middle East and North Africa	3	_____
MUS-3050	The Social History of Rock and Roll	3	_____
POS-3040	Politics of Gender	3	_____
POS-3220	Genocide: Inhumanity Across the Ages	3	_____
PSY-3230	Psychology of Gender	3	_____
SPA-1011	Spanish I w/lab	4	_____
Total		33	

Bachelor of Arts in Psychology

Psychology majors explore a wide range of theories concerning human behavior, development, thought, emotion, learning, intelligence, personality, group dynamics and abnormal behavior. Through course work and a variety of fieldwork opportunities, students are encouraged to use what they learn toward understanding themselves and their relationships. A variety of electives are offered to help students explore different job possibilities, such as working with the chronically mentally ill, organizational psychology, addictions, art therapy, forensic psychology, and working with children and families. Psychology provides excellent preparation for many careers, not only in the psychology field, but in any position in which knowledge of human behavior would be useful.

Acceptance of transfer credits for purposes of satisfying major and minor program requirements is subject to the discretion of the department. This includes, but is not limited to, the length of time that has elapsed since the credits were earned.

Learning Outcomes for Psychology Majors

Students majoring in psychology will be provided the opportunity to learn content knowledge basic to understanding the field of psychology, interpersonal communication skills, and the practical application of this knowledge and these skills.

Psychology Requirements

Required Courses		Credits	Semester
Core Courses			
PSY-1010	Introduction to Psychology	3	_____
PSY-2040	Social Psychology	3	_____
PSY-2070	Developmental Psychology	3	_____
MAT-2030	Probability and Statistics	3	_____
PSY-2410	Research Methods in Psychology	3	_____
PSY-2420	Group Process: Theory and Practice	3	_____
PSY-3010	Theories of Personality	3	_____
PSY-3065	Abnormal Behavior	3	_____
PSY-4010	Biological Psychology	3	_____
PSY-4770	Senior Seminar*	1	_____
PSY-4810	Internship in Psychology*	3	_____
Electives (15 credits required)			
PSY-3030	Organizational Psychology	3	_____
PSY-3230	Psychology of Gender	3	_____
PSY-3250	Multicultural Psychology	3	_____
PSY-3330	Psychology of Addictions	3	_____
PSY-4080	Psychology and the Civil War	3	_____
PSY-4090	Controversial Issues in Psychology	3	_____
PSY-4125	The Evolution of Psychology	3	_____
PSY-4220	Seminar in Jungian Personality Type	3	_____
PSY-4760	Topical Seminar in Psychology*	3	_____
PSY-4810	Internship in Psychology**	1-3	_____
PSY-4910	Independent Research	3	_____
SOC-3060	Sexuality and Intimacy	3	_____
SOC-4010	Family Violence	3	_____
AHS-4030	Psychology of Sports and Exercise	3	_____
ANT-3130	Culture and Personality	3	_____
ANT-4010	Anthropology of Death	3	_____
BIO-3160	Animal Behavior	4	_____
Total		46	

*Different topics rotate through the course; each may be taken for elective credit toward the major

**Psychology internships must be arranged the semester prior to which they are to occur and must be included in the Plan of Study. The required internship must be taken concurrently with the Senior Seminar.

Bachelor of Science in Wellness and Alternative Medicine

This interdisciplinary major uses a societal, cultural, biochemical, and global framework to investigate the history, principles, and scientific evidence for the safety and effectiveness of diverse modalities to heal disease and to create wellness. Alternative medicine is defined as "healing practices and health care systems not routinely studied in our conventional allopathic medical schools that train our physicians." Examples include Chinese medicine, naturopathy, acupuncture, herbalism, homeopathy, ayurveda, massage, meditation, yoga, biofeedback, chiropractic, Native American healing, shamanism, nutrition, self-care, lifestyle, exercise, and energy medicine. Alternative medicine is also called complementary, folk, natural, holistic, mind/body, integrative, and functional medicine – each term suggesting a unique approach to this exciting field of "new medicine." Students begin with the study of conventional allopathic medicine in the U.S. and then explore alternative medical models from around the world. Curricular guidelines follow protocols set by the National Institutes of Health National Center for Complementary and Alternative Medicine, by allopathic medical school pre-entry requirements for future physicians, and by pre-entry requirements for students going on to alternative medical careers. This curriculum is flexible, allowing students to focus their degree on personal and career goals. Students graduate with career options to work in entry-level careers in the wellness and fitness industry, in hospital employee assistance programs, in social assistance programs, in the diet and supplements industry, and as assistants to alternative medical practitioners. While completing their degree, students may also elect to co-enroll in certification programs to become a massage therapist, yoga instructor, reiki master, or Ayurvedic consultant. Other students go on to medical school to become physicians and nurses or go on to alternative medical graduate study for over 150 alternative medical careers that include chiropractors, naturopathic physicians, Chinese medical doctors, ayurvedic physicians, or homeopathic doctors.

Learning Outcomes for Wellness and Alternative Medicine Majors

1. Students will demonstrate interdisciplinary knowledge of the behavioral and biological evolution, principles, and scientific evidence for the healing claims of conventional allopathic medicine and of diverse multicultural alternative health care systems.
2. Students will develop integrative critical thinking and investigative and evaluative skills for making optimal health care choices through scientific comparison of healing and wellness claims of diverse health care models.
3. Students will demonstrate their competency as multilingual integrative health care translators who are fluent in the concepts, principles, and integration of multicultural models of health care and who assist professionals in the comparison of diverse sources of evidence for healing claims.
4. Students will prepare for alternative and allopathic medical careers as integrative physicians, nurses, nurse practitioners, Chinese medical doctors, naturopaths, chiropractors, massage therapists, health research scientists, epidemiologists, and health policy planners.

Wellness and Alternative Medicine Requirements

Required Courses	Credits	Semester	
Core Courses			
Students take all courses in the core with the exception of those grouped courses marked with an asterisk* below where students generally choose one course.			
AHS-1010	Contemporary Health Issues	3	_____
AHS-4110	Psychophysiology of Stress	3	_____
ANT-4020	Multicultural Studies of Healing	3	_____
BIO-2011	Human Anatomy & Physiology I	4	_____
BIO-2012	Human Anatomy & Physiology II	4	_____
BIO-3180	Nutrition	3	_____
CHE-1031	General Chemistry I	4	_____
SOC-1040	Integrative Wellness & Health Professional Series	1	_____
SOC-3080	Wellness & Alternative Medicine	3	_____
SOC-3230	Alternative Medicine, Science, and Disease	3	_____
ANT/SOC/AHS			
SOC- 2810/4810	Internship	1	_____
SOC-4740	Senior Integrative Health care Seminar	1	_____
Behavioral Sciences* (Choose one of the following)			
ANT-1010	Introduction to Cultural Anthropology	3	_____
PSY-1010	Introduction to Psychology	3	_____
SOC-1010	Introduction to Sociology	3	_____
Biological Sciences* (Choose either BIO-1210 [4 credits] or BIO-1211 and BIO-1212 [8 credits])			
BIO-1210	Introduction to Biology OR	4	_____
BIO-1211	Introduction to Biology: Ecology and Evolution and	4	_____
BIO-1212	Introduction to Biology: Cells & Genetic Basis of Life	4	_____
Drugs, Herbs, and Pharmacology* (Choose one of the following)			
SOC-2050	Drugs, Herbs, and Society	3	_____
AHS-3050	Introduction to Pharmacology	3	_____
Health Diversity, Global Health Policy, Spirituality, and Consciousness* (Choose one of the following)			
SOC-4030	Global Health, Diversity and Policy	3	_____
ANT-3020	Global Healing, Consciousness and Religion	3	_____
Core Total		46-50	

The WAM Electives (Take Any 12 Credits)

Note: Students may elect to design with their advisor their own course of study through co-enrolling in certifications or taking related courses that meet their WAM program goals. Also, students who require classes not shown below for post-graduate or certification requirements may request appropriate substitutions from their advisor.

Required Courses		Credits	Semester
AHS-2010	Mindfulness Meditation	3	_____
AHS-2130	Programs for Lifetime Health and Fitness	3	_____
AHS-3010	Therapeutic Massage	3	_____
AHS-3050	Introduction to Pharmacology <i>(If not taken as a core class)</i>	3	_____
AHS-3230	Physiology of Exercise	4	_____
ANT-3020	Global Healing, Consciousness, and Religion <i>(If not taken as a core class)</i>	3	_____
ANT-4010	Anthropology of Death	3	_____
BIO-3130	Cellular Biology: A Molecular Approach	4	_____
BIO-3280	Environmental Toxicology	4	_____
CHE-1032	General Chemistry II	4	_____
CHE-3111	Organic Chemistry I	4	_____
CHE-3112	Organic Chemistry II	4	_____
DAN-1030	Body Awareness	3	_____
DAN-3032	Body Awareness (EDP)	3	_____
ENV-4010	Global Environmental Issue	3	_____
INT-3130	Compassion and You: An Intro. to Mahayana Buddhism	3	_____
OER-1060	Ropes Course	1	_____
OER-2060	Wilderness First Responder	4	_____
PHY-1041	Physics I	4	_____
POS-3050	Environmental Ethics and Politics	3	_____
PSY-2070	Developmental Psychology	3	_____
PSY-3330	Psychology of Addictions	3	_____
PSY-4010	Biological Psychology	3	_____
SOC-3020	Environment and Society	3	_____
SOC-3060	Sexuality and Intimacy	3	_____
SOC-4010	Family Violence	3	_____
SOC-4030	Global Health, Diversity, and Policy <i>(If not taken as a core class)</i>	3	_____
Total		58-62	

Massage Therapy and Bodywork Certification (MTB)

Through an agreement with the Community College of Vermont (CCV), students in Johnson State College's B.S. in Wellness and Alternative Medicine (WAM) program can complete CCV's Massage Therapy and Bodywork Certificate Program.

This agreement is intended to promote the transfer of Community College of Vermont graduates of the Massage Therapy and Body work (MTB) program to Johnson State College's Bachelor of Science degree in Wellness & Alternative Medicine (WAM) and to provide a pathway for JSC students in the WAM program to complete CCV's MTB certificate program. This agreement applies to both JSC campus-based students and External Degree Program students.

- CCV will make the Massage Therapy and Bodywork program available at no more than one hour's travel from Johnson, most likely at the Burlington and Morrisville sites. Core massage courses must meet the minimum enrollment requirements of CCV courses.
- All CCV and JSC credits successfully completed as part of the MTB and WAM programs will be accepted by Johnson and CCV and applied to their respective programs as approved within the agreement.

Behavioral Science Minors

Anthropology and Sociology Minors

Required Courses		Credits	Semester
ANT-1010	Introduction to Cultural Anthropology	3	_____
SOC-1010	Introduction to Sociology	3	_____
SOC-4020	Sociological Theory OR		
ANT-3110	Development of Anthropological Thinking	3	_____

Electives

Three ANT/SOC- courses, at least 2 must be 3000 or 4000 level 9

Total 18

Psychology Minors

Required Courses		Credits	Semester
Core Courses			
PSY-1010	Introductory Psychology	3	_____
PSY-2040	Social Psychology	3	_____
PSY-2070	Developmental Psychology	3	_____
PSY-3010	Theories of Personality	3	_____
PSY-3065	Abnormal Behavior	3	_____

Electives

Nine psychology credits at the 3000 level and above to be chosen at the discretion of the student and advisor.

Total 24

The Behavioral Sciences Department offers courses with the following designators: ANT (anthropology), CSV (community service/volunteer), PSY (psychology), SSC (social science), and SOC (sociology). See full course descriptions on page 114. The department also offers a Master of Arts program in counseling. For further information, see the Johnson State College graduate catalog.

Department of Business/ Economics

Degree Programs

Business Management (B.A.)
Hospitality and Tourism Management (B.A.)
Management (A.S.)

Minors

Business (for non-business majors only)

Certificates

Nonprofit Management
Small Business Management

Other

Articulation Agreement with Clarkson University, N.Y., provides graduates of JSC an opportunity to obtain an MBA degree in only one additional year of study (See specific information following the degree requirements for the Business Management program.).

Faculty / Staff

James Black, *Professor*
Todd Comen, *Professor*
Reed Fisher, *Professor*
Norman McElvany, *Professor*
Henrique Cezar, *Assistant Professor*
Renate Callahan, *Administrative Assistant*

Bachelor of Arts in Business Management

This degree is designed to provide students with the skills, knowledge, and wisdom necessary to run their own business, be successful in an organization of their choosing, and be prepared for graduate study. The student's education in this major comes from both the classroom and real-world experiences, including on-site internships in the field. Specifically, the degree focuses on planning, in reference to products and service; organizational structure; leadership, human resource management, marketing, and financial management.

Learning Outcomes for Business Management Majors

The faculty of the Business/Economics Department have identified five learning outcomes that should be developed and mastered by the time students graduate. Business management graduates will:

1. Successfully apply classroom knowledge to real-world experiences.
2. Demonstrate industry-appropriate communication skills and the ability to work effectively with diverse groups in a team environment.
3. Demonstrate the ability to adapt themselves to a changing business environment while encouraging others to do so as well.
4. Demonstrate the ability to amass, evaluate, and interpret complex information to make effective business decisions.
5. Demonstrate the appropriate business norms and ethics, and mastery of the fundamental skills and knowledge required to successfully steward a business operation.

Business Management Requirements

Required Courses		Credits	Semester
Core Courses			
ACC-2121	Financial Accounting	4	_____
ACC-2122	Managerial Accounting	4	_____
BUS-2020	Principles of Management	3	_____
BUS-2230	Principles of Marketing	3	_____
BUS-2410	Human Resource Management	3	_____
BUS-3131	Business Law I	3	_____
BUS-3150	Production/Operations Management	3	_____
BUS-3230	Financial Management	3	_____
BUS-3250	Organizational Behavior & Management	3	_____
BUS-4070	Strategic Decision Making	3	_____
BUS-4140	Quantitative Analysis	3	_____
BUS-4720	Senior Seminar	3	_____
BUS-4810	Internship in Business Management (<i>if minimum G.P.A. requirement satisfied</i>)	6	_____
CIS-1041	Microcomputer Applications I	3	_____
ECO-2020	Macroeconomics	3	_____
ECO-2030	Microeconomics	3	_____
MAT-1221	Finite Mathematics	3	_____
MAT-2030	Probability and Statistics	3	_____
Total		59	

Elective Concentrations

In addition to completing the basic B.A. program, students may elect any of the following concentrations:

Marketing

Requires any three 3000/4000 level marketing courses excluding BUS-4070 (Strategic Decision Making)

Management

Requires three courses at the 3000/4000 level, other than courses included in the core program, from any of the department offerings in ACC, BUS, CIS, ECO, or HTM.

Masters of Business Administration Articulation Agreement between Johnson State College and Clarkson University

Johnson State College students who plan their undergraduate program carefully are able to earn their Master of Business Administration (MBA) from Clarkson University in Potsdam, New York, in only one year. If JSC students include the courses that serve as a foundation for the MBA program, they are able to eliminate the need for up to one year of Clarkson's two-year program. In this way, a student could earn both an undergraduate degree from Johnson State College and an MBA from Clarkson in only five total years.

Clarkson University Foundation Requirements

Accounting: Financial and Managerial
Economics: Micro and Macro
Corporate Finance
Operations/Production Management
Computer Science: Information Systems
Statistics and Quantitative Methods
Law and Society
Principles of Management and Organizational Theory
Principles of Marketing

JSC Course Equivalents

ACC-2121 and ACC-2122
ECO-2030 and ECO-2020
BUS-3230
BUS-3150
CIS-1041
MAT-2030
BUS-3131
BUS-3250
BUS-2230

Bachelor of Arts in Hospitality and Tourism Management

Hospitality and tourism are considered two of the world's largest industries. They play a critical role in the development of countries throughout the world and provide job opportunities for millions of people. Their impact on the global economy is estimated to be over 10% of total world spending. These exciting and growing fields provide an extensive variety of career opportunities for students interested in studying these industries.

The Hospitality and Tourism Management (HTM) program is designed to prepare students for a career in this exciting and diverse industry. HTM students complete a core of business and Hospitality and Tourism courses and may augment their knowledge with a selection of elective courses. In addition, the HTM program weaves over 1,050 documented hours of experiential learning throughout a student's four years in the program.

Learning Outcomes for Hospitality and Tourism Majors

The faculty of the Business/Economics Department have identified five learning outcomes that should be developed and mastered by the time students graduate. Hospitality and Tourism Management graduates will:

1. Successfully apply classroom knowledge to real world experiences.
2. Demonstrate industry-appropriate communication skills and the ability to work effectively with diverse groups in a team environment.
3. Demonstrate the ability to adapt themselves to a changing business environment while encouraging others to do so as well.
4. Demonstrate the ability to amass, evaluate, and interpret complex information to make effective business decisions.
5. Demonstrate the appropriate business norms and ethics, and mastery of the fundamental skills and knowledge required to successfully steward a business operation.

Hospitality and Tourism Management Requirements

Required Courses		Credits	Semester
Required Business Core Courses			
ACC-2121	Financial Accounting	4	_____
ACC-2122	Managerial Accounting	4	_____
BUS-2020	Principles of Management	3	_____
BUS-2230	Principles of Marketing	3	_____
CIS-1041	Microcomputer Applications I	3	_____
ECO-2020	Macroeconomics	3	_____
ECO-2030	Microeconomics	3	_____
Required HTM Core Courses			
HTM-1010	Survey of Hospitality and Tourism	3	_____
HTM-2020	Introductory Internship in HTM	2	_____
HTM-3010	Food and Beverage Management	3	_____
HTM-3050	Supervision & Training	3	_____
HTM-3110	Lodging and Resort Operations	3	_____
HTM-3130	Hospitality and Tourism Law and Ethics	3	_____
HTM-3140	Hospitality Technology	3	_____
HTM-3220	Hospitality and Tourism Marketing Seminar	3	_____
HTM-3230	Facilities Planning and Design	3	_____
HTM-3820	Intermediate Internship in HTM	2	_____
HTM-4720	Hospitality and Tourism Senior Seminar	3	_____
HTM-4820	Supervisory Internship in HTM	3	_____
Total		57	

Electives

See the course description on page 114 section of the catalog for a listing of the elective courses available.

HTM students are strongly encouraged to take MAT-2030 (Probability and Statistics) and MAT-1221 (Finite Mathematics) to satisfy their core curriculum mathematics requirements.

Associate of Science in Management

This program looks at the four major functions of a manager—planning, organizing, leading and controlling—and prepares students for first-line managerial positions. Students also have the business course base to continue in the baccalaureate business management program.

Management Requirements

Required Courses		Credits	Semester
ACC-2121	Financial Accounting	4	_____
ACC-2122	Managerial Accounting	4	_____
BUS-2020	Principles of Management	3	_____
BUS-2140	Personal Finance	3	_____
BUS-2230	Principles of Marketing	3	_____
BUS-2410	Human Resource Management	3	_____
BUS-3131	Business Law I	3	_____
CIS-1041	Microcomputer Applications I	3	_____
ECO-2020	Macroeconomics	3	_____
ECO-2030	Microeconomics	3	_____
Electives		6	_____
(2 department courses from ACC, BUS, CIS, ECO or HTM disciplines)			
Total		38	

Business/Economics Certificates and Minors

Certificates are designed for non-majors who are interested in an overview of the field. The programs, less comprehensive than a minor, introduce students to the fundamentals of the discipline.

Certificate in Nonprofit Management

Johnson State College's Nonprofit Management Certification program is an innovative course of study that prepares students for careers in the nonprofit sector. To ensure its students' success, the nonprofit management certification provides leadership opportunities, internships, and financial aid. This program is designed to allow flexibility for the student by allowing the student to meet prescribed competencies in combination with course work and practical experience.

In addition to coursework, the nonprofit management certificate program emphasizes hands-on experience through internships, volunteer opportunities, leadership activities and professional development workshops. The experiences you'll have as a student in this program will give you an edge in the job market and prepare you to be a successful leader in the nonprofit field upon graduation. The blend of curricular and co-curricular activities focus on a variety of competency areas, including:

- Nonprofit Management
- Fundraising and Fiscal Management
- Human Resource and Volunteer Management
- Program Planning and Evaluation
- Public Relations and Marketing
- Board and Committee Development

Courses include:

- BUS-2020 Principles of Management
- BUS-2230 Principles of Marketing
- BUS-2410 Human Resource Management
- ACC-2121 Financial Accounting
- HTM-3150 Event Management
- OER-3020 Program Planning in Outdoor Education
- BUS-4180 Leadership and Management of Nonprofit Organizations
- BUS-4810 Internship

Requirements for certification include:

The certificate is a total of 18 credits, six of which may be waived if the student demonstrates achievement in particular competency areas. A minimum of 9 credits must be taken through Johnson State College. A student may take no more than 6 credits in any one area. There are other co-curricular requirements and recommendations.

For more information on Johnson State College's Nonprofit Certification Program, please contact Ellen Hill, Director, Experiential Learning at 802-635-1439.

Certificate in Small Business Management

The program provides owners, operators, and employers with the knowledge and skills necessary to organize and operate successful small businesses. The program emphasizes management functions rather than operational techniques.

Required Courses		Credits	Semester
ACC-2121	Financial Accounting	4	_____
BUS-2020	Principles of Management	3	_____
BUS-2210	Small Business Management	3	_____
BUS-2230	Principles of Marketing	3	_____
BUS-3131	Business Law I	3	_____
Total		16	

Minor in Business (non-departmental majors only)

All course choices and sequences should be discussed with an advisor in the Department of Business/Economics.

Required Courses		Credits	Semester
ACC-2121	Financial Accounting	4	_____
BUS-2020	Principles of Management	3	_____
BUS-2140	Personal Finance	3	_____
BUS-2230	Principles of Marketing	3	_____
CIS-1041	Microcomputer Application I	3	_____
ECO-2020	Macroeconomics	3	_____
In addition to the above courses, choose any two 3000- or 4000-level departmental courses departmental courses.		6-7	
Total		25-26	

The Department of Business/Economics offers courses with the following designators: ACC (accounting), BUS (business), CIS (computer information systems), ECO (economics), and HTM (hospitality and tourism management). See full course descriptions on page 114.

Department of Education

Degree Programs

Elementary Education (B.A.)

Licensure Programs

Elementary Education (K-6)

Secondary (7-12)

Dance

English

Life Sciences

Mathematics

Physical Science

Social Studies

Theater Arts

Combined Elementary and Secondary

Art (K-6, 7-12, K-12)

Music (K-12)

Physical Education (K-6, 7-12, K-12)

Faculty / Staff

Darlene Witte-Townsend, *Professor*

Perry LaRoque, *Associate Professor*

David McGough, *Associate Professor*

Kathleen Brinegar, *Assistant Professor*

Regina Ritscher, *Assistant Professor*

Kenneth Brighton, *Student Teacher*

Coordinator

Richard Shanley, *Licensure Officer*

Vicky Sanborn, *Administrative Assistant*

Bachelor of Arts in Elementary Education K-6 Licensure

Successful completion of this program results in recommendation for Vermont state licensure as an elementary teacher (K-6). For successful completion, students must: (1) complete the elementary education major; (2) complete a full major or a liberal arts concentration (found at the end of this section) in an approved liberal arts discipline; (3) submit an approved professional portfolio that meets Vermont licensure requirements; and (4) have an overall grade point average of 3.0 or better.

Prior to student teaching, students must successfully complete Praxis I (reading, writing and mathematics). Praxis II (elementary education) is also required for licensure recommendation. Passing scores on both of these tests are determined by the Vermont State Board of Education, and they both are prerequisites for the initial educator's license in Vermont. **All prerequisites for student teaching must be completed by October 15 for spring and March 15 for fall.**

A liberal arts concentration is required of all elementary majors and must be selected early in the program. Concentrations that satisfy this requirement are available in anthropology and sociology, art, biology, English, environmental science, health sciences, history, mathematics, music, political science, psychology, theater and drama. A full major in any of these disciplines is encouraged and acceptable.

Elementary education majors complete two separate student teaching experiences. The first is a semester-long assignment (EDU-3811, Elementary Student Teaching I) in a classroom at one of our partnership schools. Three methods courses are embedded in the experience and taught on site. (The program for EDP students follows a different model. EDP students should consult with their advisor for details.) The second student teaching experience (EDU-4820, Elementary Student Teaching II) involves a full semester in a public school classroom and may occur during either the fall or spring semester of the senior year.

Before enrolling in Elementary Student Teaching I (EDU 3811), students pursuing teacher licensure must have:

- Earned 60 credits, which include EDU-2040, EDU-2080, EDU-2110, EDU-2320, EDU-3020, and PSY-1010;
- Earned a 3.0 GPA (B) average or received certification of academic competence by the academic dean;
- Earned a grade of B- or better in all courses in the elementary education major (see list of courses on page 45);
- Demonstrated basic skills competencies by successfully completing Praxis I tests covering reading, writing and mathematics (There is an SAT score exception for Praxis I. Students should contact the JSC Licensure office at 802-635-1270 for more information);
- Obtained the signature of approval from the student teacher coordinator;
- Completed a successful matriculation interview and a satisfactory Student Teaching Readiness Assessment; and
- Presented a developmental portfolio during the matriculation interview by March 15 for fall placement and by October 15 for spring placement.

Learning Outcomes for Elementary Education Majors

Students who successfully complete the major in elementary education will:

1. Demonstrate mastery of basic skills in reading, writing, and mathematics by passing Praxis I according to Vermont guidelines (composite score of 526 or higher).
2. Demonstrate knowledge of content areas (Language Arts, Science, Social Studies, and Mathematics) taught at the kindergarten through grade 6 levels by successfully completing Praxis II – Elementary Content with a score of 148 or higher.
3. Be able to develop well-organized, standards-based lesson and unit plans, as well as use them successfully in an elementary classroom as evidenced by documentation included in an approved portfolio.
4. Be knowledgeable of child development, various exceptionalities, literacy development, technology integration, anti-discriminatory practice, and demonstrate skill in planning and carrying out varied instructional activities designed to support learning across a diverse student population.
5. Demonstrate skill in using reflection as a means of improving classroom teaching skills.
6. Demonstrate collaboration and advocacy skills by working successfully with colleagues, parents, and the community at large for purposes of improving the educational experience for all children.
7. Demonstrate those classroom teaching skills expected of a beginning teacher by successfully completing two student teaching experiences.
8. Develop skills in critical and creative thinking and apply these to education as evidenced in successful completion of the licensure portfolio.

Elementary Education K-6 Licensure Requirements

Required Courses		Credits	Semester
EDU-2040	Child Development	3	_____
EDU-2080	Literacy Instruction in the El. School I	4	_____
EDU-2110	Introduction to Exceptional Populations	3	_____
EDU-2320	Engaged in Creative Teaching and Learning	3	_____
EDU-3010	Social and Natural Science Methods for Elementary Teachers*	3	_____
EDU-3020	Educational Psychology	3	_____
EDU-3030	Methods and Materials for Teaching Elementary School Mathematics*	3	_____
EDU-3080	Literacy Instruction in the El. School II*	3	_____
EDU-3120	Methods in Health and Physical Education for Elementary School Teachers	2	_____
EDU-3811	Elementary Student Teaching I	6	_____
EDU-4820	Elementary Student Teaching II	12	_____
Total		45	

* Students must earn a B- or better in all of the above courses.

For on-campus students, EDU-3010, 3030, and 3080 are taken concurrently with EDU-3811 (Elementary Student Teaching I). For EDP students, an alternative model is followed.

In addition to the above elementary education licensure requirements, students must complete a full major or a liberal arts concentration. Full majors can be found within the specific department sections of this catalog; the liberal arts concentrations are outlined below.

Liberal Arts Concentrations

Anthropology/Sociology Concentration

Required Courses		Credits	Semester
ANT-1010	Introduction to Cultural Anthropology	3	_____
ANT-3110	Development of Anthropological Thinking	3	_____
SOC-1010	Introduction to Sociology	3	_____
SOC-4020	Sociological Theory	3	_____

Electives (select six courses with at least two from Anthropology and two from Sociology)

Electives (Select six courses with at least two from Anthropology and two from Sociology)	Credits	Semester

Required Courses		Credits	Semester
<i>Anthropology</i>			
ANT-3020	Alternate Realities: Consciousness and Religions	3	_____
ANT-3040	Culture Change in the Modern World	3	_____
ANT-3130	Culture and Personality	3	_____
ANT-4010	Anthropology of Death	3	_____
ANT-4020	Multicultural Studies of Healing	3	_____
<i>Sociology</i>			
SOC-2040	Race/Ethnicity/Class & Gender	3	_____
SOC-2050	Drugs and Society	3	_____
SOC-2140	Sociolinguistics	3	_____
SOC-3080	Wellness & Alternative Medicine	3	_____
SOC-3050	Gender and Society	3	_____
SOC-3060	Sexuality and Intimacy		
SOC-3170	Power, Politics, and Inequality	3	_____
SOC-4010	Family Violence	3	_____
Total		30	

Art Concentration

Required Courses		Credits	Semester
ARH-2010	Survey of Western Traditions in Art	3	_____
ARH-2060	Survey of Non-Western Traditions in Art	3	_____
ART-1011	Drawing I	3	_____
ART-1140	Design	3	_____
Introductory Studio Arts Courses (select three courses)			
ART-1231	Ceramics I	3	_____
ART-2211	Painting I	3	_____
ART-2251	Sculpture I	3	_____
ART-2301	Photography I	3	_____
ART-2410	Introduction to Printmaking I	3	_____
Advanced Course Requirements			
ARH-3060	Twentieth-Century Art	3	_____
Upper-level Studio Arts Electives (select three 3000/4000-level ART courses)			
_____	_____	3	_____
_____	_____	3	_____
_____	_____	3	_____
Total		33	

Biology Concentration

Required Courses		Credits	Semester
BIO-1211	Introduction to Biology: Ecology & Evolution	4	_____
BIO-1212	Introduction to Biology: Cells & Genetic Basis of Life	4	_____
CHE-1031	General Chemistry I	4	_____
CHE-1032	General Chemistry II	4	_____
Electives (select a minimum of 14 credits)			
BIO-2310	Invertebrate and Vertebrate Zoology	4	_____
BIO-2340	Fundamentals of Ecology	4	_____
BIO-2011	Human Anatomy & Physiology I	4	_____
BIO-2012	Human Anatomy & Physiology II	4	_____
BIO-3125	Biological Chemistry	3	_____
BIO-3130	Cellular Biology: A Molecular Approach	4	_____
BIO-3140	Microbiology	4	_____
BIO-3160	Animal Behavior	4	_____
BIO-3170	Mammalogy	4	_____
BIO-3220	Genetics	4	_____
BIO-3260	Limnology	4	_____
BIO-3280	Environmental Toxicology	4	_____
BIO-3290	Conservation Biology	3	_____
BIO-3120	Ornithology	4	_____
BIO-3720	Current Topics in Biology* or	1	_____
ENV-3210	Current Topics in Environmental Science*		
Total		30	

*May be taken once for credit toward concentration.

English Concentration

Required Courses		Credits	Semester
Literature Survey Core Courses (select 12 credits)			
ENG-1310	Introduction to Literature	3	_____
ENG-2171	World Literature I	3	_____
ENG-2172	World Literature II	3	_____
ENG-2281	Survey of English Literature I	3	_____
ENG-2282	Survey of English Literature II	3	_____
ENG-2321	Survey of American Literature I	3	_____
ENG-2322	Survey of American Literature II	3	_____
ENG-2510	Women and Literature	3	_____

Required Courses	Credits	Semester
Writing Courses		
ENG-2101 Creative Writing or	3	_____
ENG-2051 Introduction to Newswriting		_____
Upper-level Writing Electives (select one course)		
ENG-3020 Feature Writing	3	_____
ENG-3120 Poetry Workshop	3	_____
ENG-3130 Fiction Workshop	3	_____
ENG-3140 The Creative Essay	3	_____
Upper-level Literature Courses/Language Courses		
(Select three 3000/4000-level ENG courses, one of which must be THA-3010)		
THA-3010 Shakespeare: On the Page and On the Stage	3	_____
_____	3	_____
_____	3	_____
English Free Elective (excluding ENG-1051 and ENG-1052)		
_____	3	_____
Total	30	_____

Environmental Science Concentration

Required Courses	Credits	Semester
BIO-1210 Introduction to Biology	4	_____
BIO-2340 Fundamentals of Ecology	4	_____
CHE-1031 General Chemistry I	4	_____
ENV-1050 Introduction to Earth Science	4	_____
ENV-1110 Introduction to Environmental Problems	3	_____
ENV-3030 Water Resources	3	_____
ENV-3040 Energy and Mineral Resources	3	_____
ENV-3210 Current Topics in Environmental Science	1	_____

Electives (select two courses)

ENV-3010	Land Use Planning	3	_____
ENV-3020	Environmental Law	3	_____
ENV-3130	Environmental Geology	4	_____
ENV-3150	Toxic and Solid Waste Management	3	_____
ENV-3160	Coastal and Marine Resources	3	_____
ENV-3220	Environmental Interpretation	3	_____
ENV-3240	Fundamentals of Soil Science	4	_____
ENV-3250	Meteorology/Climatology	4	_____
ENV-4010	Global Environmental Issues	3	_____
ENV-4020	Remote Sensing	4	_____
GEY-3120	Field Geology	4	_____
Total		32-34	

Health Sciences Concentration

Required Courses		Credits	Semester
AHS-1010	Contemporary Health Issues	3	_____
AHS-1080	Lifetime Fitness	1	_____
AHS-2020	Drugs in Perspective	3	_____
AHS-3040	Diseases of the Modern World	3	_____
BIO-1210	Introduction to Biology	4	_____
BIO-2410	Human Anatomy	4	_____
BIO-2420	Human Physiology	4	_____
BIO-3180	Nutrition	3	_____
CHE-1020	Introduction to Chemistry	4	_____

Electives (Choose two courses)

AHS-2130	Programs for Lifetime Health & Fitness	3	_____
AHS-3041	Care & Prevention of Athletic Injuries I	3	_____
AHS-3120	Kinesiology	3	_____
AHS-3230	Physiology of Exercise	3	_____
AHS-4030	Psychology of Sports and Exercise	3	_____
AHS-4110	Stress Management & Self-Regulation	3	_____
Total		35	

History Concentration

Required Courses		Credits	Semester
HIS-1111	World History I	3	_____
HIS-1112	World History II	3	_____
HIS-1211	American History I	3	_____
HIS-1212	American History II	3	_____
HIS-4730	Seminar in Historical Communication	3	_____
HIS-4740	Seminar in Historical Investigation	3	_____

Electives (four courses total)

Choose one course from each of the following three categories (9 credits), and one additional course from any one of the three categories (3 credits)

Third World (Asia, Africa, Latin America, or the Middle East)

_____ 3 _____

European History

_____ 3 _____

American History

_____ 3 _____

Any one of the three categories above

_____ 3 _____

Total **30**

*Also recommended: 8 credits of foreign language courses

Mathematics Concentration

Required Courses		Credits	Semester
MAT-1531	Calculus I	4	_____
MAT-2030	Probability and Statistics	4	_____
MAT-2140	Modeling the Environment	3	_____
MAT-2532	Calculus II	4	_____
MAT-3210	Linear Algebra	3	_____

Math Electives (Students must complete an additional 13 credits in mathematics; at least three must be at the 3000/4000 level.)

_____	_____	3	_____
_____	_____	3	_____
_____	_____	3	_____
_____	_____	3	_____
_____	_____	3	_____
Total		31	

*Either MAT-3030 or INT-3150 *can* be used by elementary education majors (with a liberal arts concentration in mathematics) to count as a mathematics course. However, a three-credit, upper-level mathematic course must still be taken. Neither MAT-3030 nor INT-3150 can count as the required three-credit, upper-level mathematics course.*

Music Concentration

Required Courses		Credits	Semester
MUS-1051	Keyboard Harmony I	1	_____
MUS-1052	Keyboard Harmony II	1	_____
MUS-1061	Ear Training I	1	_____
MUS-1062	Ear Training II	1	_____
MUS-1231	Music Theory I	3	_____
MUS-1232	Music Theory II	3	_____
MUS-2160	Introduction to Technology in Music	2	_____
MUS-3031	History of Western Music I	4	_____
MUS-3032	History of Western Music II	4	_____
MUS-3330	Worlds of Music	3	_____

Electives (Select six additional MUS credits)

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Total		29	

Political Science Concentration

Required Courses		Credits	Semester
POS-1010	Introduction to Political Science	3	_____
POS-1020	American Politics & Government	3	_____
POS-2050	International Economics and Politics	3	_____
POS-2110	State and Local Government	3	_____
POS-3010	Survey of Western Political Thought or	3	_____
POS-3040	The Politics of Gender		
POS-4730	Senior Seminar in Political Science	3	_____

Lower-level Electives (Select three credits of 1000/200-level POS courses.)

_____	_____	3	_____
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Upper-level Electives (Select nine credits of 3000/4000-level POS courses.)

_____	_____	3	_____
_____	_____	3	_____
_____	_____	3	_____
Total		27	

Psychology Concentration

Required Courses		Credits	Semester
PSY-1010	Introduction to Psychology	3	_____
PSY-2040	Social Psychology	3	_____
PSY-2070	Developmental Psychology	3	_____
PSY-2420	Group Process: Theory and Practice	3	_____
PSY-3010	Theories of Personality	3	_____
PSY-3065	Abnormal Behavior*	3	_____
PSY-3230	Psychology of Gender	3	_____

Upper-level Electives (Select three 3000/4000-level PSY courses.)

_____	_____	3	_____
_____	_____	3	_____
_____	_____	3	_____
Total		30	

*Prerequisite of PSY-1010 and PSY-2010, or permission of instructor

Theater & Drama Concentration

Required Courses		Credits	Semester
THA-1040	Interpreting Contemporary Dramatic Literature	3	_____
THA-1041	Introduction to Theater Arts	3	_____

Historical and Literary Studies

THA-3010	Shakespeare: "On the Stage & On the Page"	3	_____
THA-3140	Theater History	3	_____

Production and Performance Skills

THA-1111	Stagecraft	3	_____
THA-2121	Acting I	3	_____
THA-2122	Acting II	3	_____
THA-3210	Introduction to Directing	3	_____

Laboratory Experiences

THA-2040	Performance and Production Lab	3	_____
THA-3030	Children's Theater	3	_____
Total		30	

Other Licensure Programs

Secondary Level or K-12 Level Licensure

In addition to elementary education, as noted in the preceding pages, Johnson State College offers secondary (7-12) and K-12 licensure in the following programs:

Licensure Area	Licensure Offered
Art	K-6, 7-12, K-12
Dance	7-12
English	7-12
Life Science	7-12
Mathematics	7-12
Music	K-12
Physical Education	K-6, 7-12, K-12
Physical Science	7-12
Social Studies	7-12
Theater Arts	7-12

Students pursuing secondary level (7-12) or K-12 level licensure must meet the following matriculation requirements **before enrolling in student teaching** (EDU-4812, 4830, 4835, or 4859):

- Earned 60 credits, which include EDU-2110, EDU-2040 and/or 2170, EDU-2320, EDU-3020, EDU-3240, EDU-4272, and a methods course in the appropriate content area;
- Earned a 3.0 GPA (B) average or received certification of academic competence by the Academic Dean;
- Demonstrated basic skills competencies by successfully completing the Praxis I tests covering reading, writing, and mathematics (or evidence of competence through SAT exemption – contact JSC Licensure Officer at 802-635-1270 for more information);
- Successfully completed a matriculation interview;
- Received a recommendation certifying academic competence by the department of his or her content area major; and
- Presented a developmental portfolio during the matriculation interview, met all prerequisites, and submitted complete application materials by March 15 for fall placement and by October 15 for spring placement.

To be recommended for secondary or K-12 licensure, students must have a cumulative grade point average of 3.0 or higher and receive a grade of B- or better in all required courses specific to licensure.

Students must be matriculated in the Education Department, as well as in their content area majors. Successful completion of Praxis I prior to student teaching is required of all licensure candidates. All licensure candidates must also submit passing Praxis II scores in their appropriate area to be recommended for licensure. Students must submit passing scores, as

determined by the Vermont State Board of Education, on these examinations before the college will recommend them to the state for licensure.

**Recommendation for Vermont teacher licensure also requires a successful review of the student's professional portfolio.*

Portfolio Requirements

Recommendation for Vermont teacher licensure requires, in addition to successful completion of the program with an overall GPA of 3.0 (B) or higher, a successful review of the student's professional portfolio. This portfolio is an organized collection of materials that provides information about the student's skills and knowledge. More specifically, it documents the student's competence in meeting the Vermont Standards for Professional Educators; it illustrates how the Johnson State College Education Program theme (Engaged in Creative Teaching and Learning) has been integrated into the student's classroom teaching and relevant course and fieldwork; it provides information about the student's competency in relation to the competencies required for Vermont licensure; it exhibits professional growth and reflective learning; and it displays the student's best work.

The Education Department offers courses with an EDU designator. See full course descriptions on page 114. The department also offers a Master of Arts program in education. For further information, see the Johnson State College graduate catalog.

For required courses for specific areas of licensure, please see the appropriate pages referenced in the table on other licensure programs at the beginning of this text.

Department of Environmental & Health Sciences

Degree Programs

Biology (B.S.)
Biology: Field Naturalist (B.A.)
Environmental Science/Natural Resources (B.S.)
Integrated Environmental Science (B.S.)
Health Sciences (B.S.)
Outdoor Education (B.A.)

Minors

Adventure Education
Biology
Chemistry
Environmental Education
Natural Resources

Licensure Programs

Life Science (7-12)
Physical Education (K-6, 7-12, K-12)
Physical Science (7-12)

Faculty / Staff

Tania Bacchus, *Professor*
Kenneth Burrill, *Professor*
Elizabeth Dolci, *Professor*
Robert Genter, *Professor*
Leslie Kanat, *Professor*
Karen Uhlendorf, *Professor*
Brad Moskowitz, *Associate Professor*
John Pellerin, *Associate Professor*
Hans Haverkamp, *Assistant Professor*
Susan Mann, *Administrative Assistant*

Other

Johnson State College has a Reciprocal Agreement with Plymouth State University of New Hampshire whereby JSC graduates may be able to obtain athletic training certification (NATA). For specific information about this competitive program, please refer to the health science program information provided in this section of the catalog.

Biology

The study of biology serves all college majors and professionals by preparing them to understand and deal with the many biological concepts, issues and problems in their fields. Our program is designed to introduce the core subdisciplines of biology and to offer advanced studies in organismal, human, molecular and environmental biology. Microbiologists, physiologists, zoologists, molecular biologists, field naturalists, ecologists, marine biologists, agricultural scientists, foresters, wildlife managers, physicians, therapists, nutritionists, toxicologists, science writers and teachers are a sample of the professionals who commonly begin as biology majors.

Students in the biology program explore outdoor laboratories ranging from the College's Babcock Nature Preserve to areas as diverse as tropical ecosystems and the American west. On campus, our program is supported by teaching laboratories, a greenhouse, an animal care facility, an artificial stream laboratory, a cellular and molecular laboratory, and extensive herbarium and vertebrate museum collections.

The research activity of the faculty include understanding cell behavior at the molecular level, classification of plants, improving teaching in biology, vertebrate ecology and studying environmental pollution.

Bachelor of Science in Biology

The B.S. program is designed for students who desire a comprehensive training in the life sciences leading to areas in education, research, or medicine. Students who complete the required education courses for secondary licensure are eligible to teach life sciences for grades 7-12 in the public schools.

Learning Outcomes for Biology Majors

The B.S. in the biology program seeks to produce graduates who:

- Demonstrate basic knowledge: Students will understand the fundamental concepts of each of the following biological disciplines and the relationships among them: organismal biology, ecology, cellular/molecular biology, and evolution.
- Apply the scientific method: Students will design and carry out a research study that incorporates the major steps in the scientific method of investigation.
- Communicate in science: Students will communicate effectively both in scientific writing and oral presentations.
- Have values and ethics: Students will apply ethical guidelines in professional and societal behavior.

Biology Requirements

Required Courses		Credits	Semester
BIO-1211	Introductory Biology: Ecology & Evolution+	4	_____
BIO-1212	Introductory Biology: Cells & Genetic Basis of Life*+	4	_____
BIO-2340	Fundamentals of Ecology*	4	_____
BIO-3220	Genetics*	4	_____
BIO-3720	Current Topics in Biology (spring only)		
	OR		
ENV-3210	Current Topics in Environmental Science (fall only)	1	_____
BIO-4920	Senior Thesis OR		
BIO-4810	Internship in Biology	3	_____
CHE-1031	General Chemistry I*+	4	_____
CHE-1032	General Chemistry II*	4	_____
CHE-3111	Organic Chemistry I*	4	_____
CHE-3112	Organic Chemistry II*	4	_____
MAT-1531	Calculus I*+	4	_____
PHY-1041	Physics I*+	4	_____
PHY-1042	Physics II*	4	_____

Electives (Select a minimum of one course from each set)

Set 1: Mathematics

MAT-2030	Probability & Statistics+	3	_____
MAT-2532	Calculus II+	4	_____

Set 2: Cell/Molecular Biology

BIO-3125	Introduction to Biological Chemistry	3	_____
BIO-3130	Cellular Biology: A Molecular Approach*	4	_____
BIO-3140	Microbiology*	4	_____

Set 3: Organismal Biology

BIO-2011	Human Anatomy and Physiology I	4	_____
BIO-2012	Human Anatomy and Physiology II	4	_____
BIO-2145	Plant Biology	4	_____
BIO-2310	Invertebrate and Vertebrate Zoology	4	_____
BIO-3160	Animal Behavior	4	_____
BIO-3170	Mammalogy	4	_____
BIO-3320	Ornithology	4	_____

Set 4: Ecology/Evolution

BIO-3260	Limnology	4	_____
BIO-3280	Environmental Toxicology*	4	_____
BIO-3290	Conservation Biology	3	_____

Total **61-64**

*These courses also fulfill requirements in the ENV, HSC, OER, and WAM programs.

+These courses also fulfill the General Education Core Curriculum requirements.

Bachelor of Arts in Biology: Field Naturalist

The B.A. in biology is designed for students who want to become a field naturalist. Field naturalists have a broad knowledge of ecology, organismal biology, field geology, environmental chemistry, conservation biology, and wildlife management. Field naturalist majors are particularly well qualified for environmental education and research positions for state or federal environmental conservation agencies, private conservation organizations, consulting firms, and environmental education institutions.

Learning Outcomes for Biology Majors**The B.A. in the field naturalist program seeks to produce graduates who:**

- Critically read, evaluate, and synthesize information from relevant biological and environmental literature;
- Observe, identify, and measure the living and physical aspects of the natural environment using scientific methods; and
- Are able to articulate in written, oral, and graphical form the characteristics of natural environments and human interactions with them.

Biology: Field Naturalist Requirements

Required Courses		Credits	Semester
BIO-1211	Introductory Biology: Ecology & Evolution+	4	_____
BIO-1212	Introductory Biology: Cells & Genetic Basis of Life*+	4	_____
BIO-2145	Plant Biology	4	_____
BIO-2310	Invertebrate and Vertebrate Zoology	4	_____
BIO-2340	Fundamentals of Ecology*	4	_____
BIO-3720	Current Topics in Biology (spring only)		
	OR		
ENV-3210	Current Topics in Environmental Science (fall only)	1	_____
BIO-4810	Internship in Biology OR		
BIO-4920	Senior Thesis	3-12	_____
CHE-1031	General Chemistry I*+	4	_____
CHE-1032	General Chemistry II*	4	_____
ENV-1050	Introduction to Earth Science*+	4	_____
ENV-1110	Introduction to Environmental Problems*	3	_____
ENV-2050	The Natural History of Vermont*	3	_____
Electives (select a minimum of 4 courses from the following)			
BIO-3110	Field Ornithology* OR		
BIO-3320	Ornithology	3	_____
BIO-3160	Animal Behavior	4	_____
BIO-3170	Mammalogy	4	_____
BIO-3260	Limnology	4	_____
BIO-3280	Environmental Toxicology	4	_____
BIO-3290	Conservation Biology	3	_____
BIO-3310	Wildlife Field Methods*	4	_____
ENV-3220	Environmental Interpretation*	3	_____
ENV-3310	Applications in GIS	4	_____
GEY-3120	Field Geology*	4	_____
Total		55-67	

*These courses may fulfill requirements in the ENV, HSC, OER, and WAM programs.

+These courses also fulfill the General Education Core Curriculum requirements.

Licensure in Life Science (7-12)

Students interested in obtaining licensure in life science must submit passing scores on Praxis I and II, complete the B.S. degree in biology and the following licensure-specific courses:

Required Licensure-Specific Courses		Credits	Semester
EDU-2110	Introduction to Exceptional Populations	3	_____
EDU-2170	Adolescent Development	3	_____
EDU-2320	Engaged in Creative Teaching and Learning	3	_____
EDU-3020	Educational Psychology	3	_____
EDU-3240	Literacy Development in the Content Areas	3	_____
EDU-4272	Secondary Education Methods II: The Practice of Curriculum, Instruction, and Assessment	3	_____
EDU-4850	Secondary Education Student Teaching	12	_____
SCI-4020	Science Methods	3	_____
Total		33	

* Students must earn a B- or better in all of the above courses.

*Please see other important licensure requirements on page 55 for more information.

Environmental Science

The environmental science discipline offers students both a natural resources program and an integrated science program. The environmental science/natural resources program prepares students for job opportunities in business, education, and government, primarily in the management of natural resources and the development of public policy. The integrated environmental science program, by offering students a curriculum that focuses more heavily on laboratory and field courses, prepares students for more technically orientated positions in the environmental field and for graduate programs in the sciences.

Bachelor of Science in Environmental Science/Natural Resources

Learning Outcomes for Environmental Science/Natural Resources Majors

The B.S. in environmental sciences/natural resources seeks to produce graduates who:

- Critically read, evaluate, and synthesize information from relevant geological and biological literature that addresses the complexity of factors relating to human interaction with the environment
- Work individually, and with others, to evaluate the economic, social, ethical, and scientific aspects of environmental problems
- Make observations and construct hypotheses to account for the observations
- Articulate, in oral, written, and graphical form (using computer software), the causes, scale, and relative importance of emergent and persistent environmental problems, environmental change, and sustainable human practices.

Environmental Science/Natural Resources Requirements

Required Courses		Credits	Semester
BIO-1210	Introduction to Biology	4	_____
BIO-2340	Fundamentals of Ecology	4	_____
CHE-1031	General Chemistry I	4	_____
ENV-1050	Introduction to Earth Science	4	_____
ENV-1110	Introduction to Environmental Problems	3	_____
ENV-3030	Water Resources	3	_____
ENV-3040	Energy and Mineral Resources	3	_____
ENV-3210	Current Topics in Environmental Science	1	_____
ENV-4730	Senior Seminar	3	_____

Electives (*Select five of the following*)

BIO-4220	Wildlife Ecology and Management	4	_____
ENV-3010	Land Use Planning	3	_____
ENV-3020	Environmental Law	3	_____
ENV-3130	Environmental Geology	4	_____
ENV-3150	Toxic and Solid Waste Management	3	_____
ENV-3160	Coastal and Marine Resources	3	_____
ENV-3220	Environmental Interpretation	3	_____
ENV-3230	National Parks and Wilderness Management	3	_____
ENV-3240	Fundamentals of Soil Science	4	_____
ENV-3250	Meteorology/Climatology	4	_____
ENV-3310	Applications in GIS	4	_____
ENV-4010	Global Environmental Issues	3	_____
ENV-4020	Remote Sensing	4	_____
ENV-4810	Environmental Internship	6	_____
GEY-3120	Field Geology	4	_____

Additional Requirements

ECO-2020	Macroeconomics	3	_____
ECO-3010	Environmental Economics	3	_____
PHI-1040	Introduction to Ethics OR		
POS-3050	Environmental Ethics and Politics	3	_____
POS-1020	American Politics and Government OR		
POS-1010	Introduction to Political Science	3	_____

Total **56-61**

Students are encouraged, but not required, to complete an internship. Recent placements have included the Vermont Fish and Wildlife Department, U.S. Soil Conservation Service, U.S. Fish and Wildlife Service, the Vermont Youth Corps, Vermont State Legislature, regional planning commissions, and various state and national parks.

Bachelor of Science in Integrated Environmental Science

Learning Outcomes for Integrated Environmental Science Majors

The B.S. in integrated environmental science seeks to produce graduates who:

- Critically read, evaluate, and synthesize information from relevant geological, biological, and chemical literature related to environmental problems
- Work individually, and with others, to identify and evaluate environmental problems
- Apply appropriate tools, analytical equipment, and concepts from mathematics, physics, chemistry, geology, and biology, including the use of computer software, to evaluate environmental problems
- Observe and measure in the field and laboratory, the organic, inorganic, and physical aspects of environmental problems while applying the methods of science
- Design a research project to test hypotheses and draw conclusions based on knowledge of the sciences
- Articulate, in oral, written, and graphical form (using computers), assessments of environmental problems.

Integrated Environmental Science Requirements

Required Courses		Credits	Semester
BIO-1210	Introduction to Biology OR		
BIO-1211	Introduction to Biology: Ecology and Evolution OR		
BIO-1212	Introduction to Biology: Cells & The Genetic Bases of Life	4	_____
BIO-2340	Fundamentals of Ecology	4	_____
CHE-1031	General Chemistry I	4	_____
CHE-1032	General Chemistry II	4	_____
ENV-1050	Introduction to Earth Science	4	_____
ENV-3240	Fundamentals of Soil Science	4	_____
ENV-3250	Meteorology/Climatology	4	_____
ENV-4720	Senior Thesis	3	_____
GEY-3110	Hydrogeology	4	_____
GEY-3120	Field Geology	4	_____
PHY-1041	Physics I	4	_____

Choose one course from each of the following sets of courses:

Set 1

ENV-3310	Applications in GIS	4	_____
ENV-4020	Remote Sensing	4	_____

Set 2

BIO-3130	Cellular Biology: A Molecular Approach	4	_____
BIO-3140	Microbiology	4	_____
CHE-3111	Organic Chemistry I	4	_____

Set 3

BIO-3260	Limnology	4	_____
BIO-3280	Environmental Toxicology	4	_____
ENV-3130	Environmental Geology	4	_____

Set 4

MAT-1531	Calculus I	4	_____
PHY-1042	Physics II	4	_____
Total		59	

Licensure in Physical Science (7-12)

Students interested in obtaining licensure in physical science must submit passing scores on Praxis I and II, complete the B.S. degree in environmental science or integrated environmental science and the following licensure-specific courses:

Required Licensure-Specific Courses		Credits	Semester
EDU-2110	Introduction to Exceptional Populations	3	_____
EDU-2170	Adolescent Development	3	_____
EDU-2320	Engaged in Creative Teaching and Learning	3	_____
EDU-3020	Educational Psychology	3	_____
EDU-3240	Literacy Development in Content Areas	3	_____
EDU-4272	Secondary Education Methods II: The Practice of Curriculum, Instruction, and Assessment	3	_____
EDU-4850	Secondary Education Student Teaching	12	_____

In addition, students are required to complete the following courses (some of which are required in the major):

CHE-1031	General Chemistry I	4	_____
CHE-1032	General Chemistry II	4	_____
PHY-1041	Physics I	4	_____
PHY-1042	Physics II	4	_____
SCI-4020	Science Methods	3	_____
Total		49	

* Students must earn a B- or better in all of the above courses.

*Please see other important licensure requirements on page 55 for more information.

Health Sciences

The health sciences major is designed for students wishing to pursue careers in health, fitness, and physical education. The program trains students in the basic sciences, including biology, chemistry, anatomy and physiology; assessment of health status; the disease process; health, fitness, and physical education; and cardiac and pulmonary assessment and rehabilitation. The health sciences program prepares students for a wide variety of career options and, with the current increases in lifestyle-related disease and the growing elderly population, students will be poised to take advantage of new prospects in the health field.

Bachelor of Science in Health Sciences

Learning Outcomes for Health Science Majors

The B.S. in the health sciences program seeks to produce graduates who:

- Demonstrate through both speaking and writing an understanding of biological, physical, and social sciences related to human movement, sport, exercise, and contemporary health issues.
- Identify and describe challenges to the natural homeostatic mechanisms of the body and mind and how both adapt to these challenges.
- Apply knowledge to prevent and control diseases in diverse populations related to lifestyle, behaviors, physical activity, and nutrition.
- Use both qualitative and quantitative methods to appraise risk factors, health status, fitness, and physical skills, and then design safe and effective programs to target these areas in various populations.
- Effectively communicate health, exercise, fitness, sport and physical activity information through a variety of teaching techniques.
- Demonstrate an ability to apply theoretical knowledge, research skills, use of technology, and professionally appropriate and ethical behaviors in workplace settings.

Health Sciences Requirements

Required Courses		Credits	Semester
Core Program			
AHS-1010	Contemporary Health Issues	3	_____
AHS-2040	Advanced First Aid & Emergency Care	4	_____
AHS-2130	Programs for Lifetime Health & Fitness	3	_____
AHS-3120	Kinesiology	3	_____
AHS-3230	Physiology of Exercise	4	_____
AHS-4030	Psychology of Sports and Exercise	3	_____
BIO-1210	Introduction to Biology	4	_____
BIO-2011	Anatomy & Physiology I	4	_____
BIO-2012	Anatomy & Physiology II	4	_____
BIO-3180	Nutrition	3	_____
PSY-1010	Introduction to Psychology	3	_____
Health & Exercise Science Concentration Requirements			
AHS-4060	Cardiopulmonary Assessment, Rehabilitation & Training	3	_____
AHS-4110	Psychophysiology of Stress	3	_____
AHS-4810	Internship OR		
AHS-4911	Senior Research	3-6	_____
CHE-1031	General Chemistry I	4	_____
CHE-1032	General Chemistry II	4	_____

Electives

In addition to completing the core program and health and exercise science requirements above, each student must choose 6-7 credits from the following courses in consultation with his/her advisor about career goals. At least one of these must be a 3- or 4-credit course.

Fitness Courses:

PED-1010	Aerobics, Spinning, Water Aerobics, Weight Training, Weight Training for Women, Winter Sports Conditioning, Yoga	0.5	_____
AHS-1080	Lifetime Fitness	1	_____
AHS-3043	Care and Prevention of Athletic Injuries	4	_____
AHS-3050	Introduction to Pharmacology	3	_____
BIO-3125	Biological Chemistry (offered every 3 years)	4	_____
BIO-3130	Cellular Biology: A Molecular Approach (offered every 3 years)	4	_____
BIO-3140	Microbiology (offered every 3 years)	4	_____
CHE-3111	Organic Chemistry I	4	_____
Total		61-65	

(Total Exclusive of General Education Requirements 50-54 Cr.)

Note:

Students interested in pursuing medical school following completion of their bachelor's degree should take these standard prerequisite courses: BIO-1211 Introduction to Biology: Ecology and Evolution; BIO-1212 Introduction to Biology: Cells and Genetic Basis of Life; CHE-1031 General Chemistry I; CHE-1032 General Chemistry II; CHE-3111 Organic Chemistry I; CHE -3112 Organic Chemistry II; PHY-1041 Physics I; PHY-1042 Physics II. Required or suggested by some medical schools are the following courses: BIO-3125 Biological Chemistry; BIO-3220 Genetics; MAT-1531 Calculus I; MAT-2532 Calculus II.

Athletic Training: A Reciprocal Agreement with Plymouth State University

Students who graduate from Johnson State College may obtain athletic training certification (NATA) through a reciprocal agreement with Plymouth State University of New Hampshire. Under this agreement Plymouth will accept up to two students per year who have an undergraduate degree from Johnson and who meet the entry standards for their Masters of Education Athletic Training. This academic program is competitive, limited, and is not guaranteed even to those who meet the minimum requirements. Students must verify that they can comply with the program's technical standards. A four-semester clinical experience is required as part of this program. Students successfully completing this program will be eligible to sit for the NATA-BOC certification exam. Plymouth State University's Athletic Training program has been granted accreditation by the Commission of Accreditation of Allied Health Education Programs (CAAHEP).

Students from Johnson interested in pursuing this reciprocal opportunity should work very closely with an academic advisor in the health science program at Johnson and include all or as many as possible of the following Johnson courses and internship hours in their undergraduate degree program:

Minimum of 100 hours observation under direct supervision of NATA-BOC Certified Athletic Trainer. Minimum grade of C in the following college/university courses:

- Anatomy (w/lab) 4 credits
- Physiology (w/lab) 4 credits
- Kinesiology 3 credits
- Exercise Physiology 3 credits
- Nutrition 3 credits
- Health Issues 3 credits
- First Aid and CPR (and current certification) 4 credits

Licensure in Physical Education (K-6, 7-12, K-12)

All students pursuing licensure in physical education must complete the B.S. in health sciences core with the physical education concentration, and the appropriate licensure specific courses listed below. To be recommended for EDU-4835, Physical Education Student Teaching, students must pass Praxis I, have a GPA of 3.0 or better, and earn at least a B- in all licensure specific courses. Recommendation for Vermont teacher licensure requires a successful review of the student's professional portfolio and an overall GPA of at least a 3.0. Students must also submit passing scores on the Praxis II content knowledge examination.

Required Courses		Credits	Semester
Health Sciences Core			
AHS-1010	Contemporary Health Issues	3	_____
AHS-2040	Advanced First Aid & Emergency Care	4	_____
AHS-2130	Programs for Lifetime Health & Fitness	3	_____
AHS-3120	Kinesiology	3	_____
AHS-3230	Physiology of Exercise	4	_____
AHS-4030	Psychology of Sports & Exercise	3	_____
BIO-1210	Introduction to Biology	4	_____
BIO-2011	Anatomy & Physiology I	4	_____
BIO-2012	Anatomy & Physiology II	4	_____
BIO-3180	Nutrition	3	_____
PSY-1010	Introduction to Psychology	3	_____
Physical Education Concentration Requirements			
DAN-1010	Fundamentals of Dance	3	_____
OER-2140	Ropes Course Leadership	2	_____
PED-1150	Foundations of Physical Education	3	_____
PED-2030	Educational Games, Dance, & Gymnastics	2	_____
PED-2040	Team Sports	2	_____
PED-2110	Individual, Dual, & Lifetime Activities	2	_____
PED-3120	Measurement & Evaluation	3	_____

Physical Education Concentration Requirements (cont.)

Choose 1 of the following in consultation with advisor:		3-4	_____
AHS-3043	Care & Prevention of Athletic Injuries	4	_____
AHS-4110	Psychophysiology of Stress	3	_____
OER-3010	Learning in the Outdoors	4	_____
Total		69-70	

Required Licensure-Specific Courses (In addition to the preceding requirements, physical education licensure candidates must take the licensure specific courses listed below that pertain to their area of licensure.)

K-6

EDU-2040	Child Development	3	_____
EDU-2110	Introduction to Exceptional Populations	3	_____
EDU-2320	Engaged in Creative Teaching and Learning	3	_____
EDU-3020	Educational Psychology	3	_____
EDU-3120	Methods in Health & Physical Education for Elementary School Teachers	2	_____
EDU-3240	Literacy Development in the Content Areas	3	_____
EDU-4835	Physical Education Student Teaching	12	_____
PED-2810	Internship in Elementary Physical Education	0.5	_____
PED-2810	Internship in Physical Education for Exceptional Populations	0.5	_____
Subtotal		30	

**Students must earn a B- or better in all of the above courses.*

**Please see other important licensure requirements on page 55 for more information.*

7-12

EDU-2110	Introduction to Exceptional Populations	3	_____
EDU-2170	Adolescent Development	3	_____
EDU-2320	Engaged in Creative Teaching and Learning	3	_____
EDU-3020	Educational Psychology	3	_____
EDU-3240	Literacy Development in the Content Areas	3	_____
EDU-4835	Physical Education Student Teaching	12	_____
PED-2810	Internship in Physical Education for Exceptional Populations	0.5	_____
PED-3140	Methods of Teaching Secondary School Physical Education	4	_____
Subtotal		31.5	

**Students must earn a B- or better in all of the above courses.*

**Please see other important licensure requirements on page 55 for more information.*

K-12

EDU-2040	Child Development	3	_____
EDU-2110	Introduction to Exceptional Populations	3	_____
EDU-2170	Adolescent Development	3	_____
EDU-2320	Engaged in Creative Teaching and Learning	3	_____
EDU-3020	Educational Psychology	3	_____
EDU-3120	Methods in Health & Physical Education for Elementary School Teachers	2	_____
EDU-3240	Literacy Development in the Content Areas	3	_____
EDU-4835	Physical Education Student Teaching	12	_____
PED-2810	Internship in Elementary Physical Education	0.5	_____
PED-2810	Internship in Physical Education for Exceptional Populations	0.5	_____
PED-3140	Methods of Teaching Secondary School Physical Education	4	_____
Subtotal		37	

**Students must earn a B- or better in all of the above courses.*

**Please see other important licensure requirements on page 55 for more information.*

Outdoor Education

The outdoor education major is highly experiential and leads to diverse careers working with a variety of populations in outdoor settings. The program consists of a core and two concentrations: one in adventure education and wilderness leadership and the other in environmental education. The major offers students technical training in outdoor pursuits/adventure leadership and environmental education in combination with cross-disciplinary study in education, psychology and biology, and prepares students for a career or graduate study in outdoor education, outdoor recreation, or environmental education.

Students must earn a grade of C- (1.7) or better in all required courses in the degree program. Prior to the required internship, students must complete OER-3010, have junior or senior standing, and obtain a recommendation from the outdoor education faculty. Students should meet with their advisors early in their program for specific details regarding the internship process.

Bachelor of Arts in Outdoor Education

Learning Outcomes for Outdoor Education Majors

The B.A. in outdoor education program seeks to produce graduates who can demonstrate:

- Knowledge of the historical and philosophical foundations of the field, human development, learning theories, experiential education, natural history, and environmental issues;
- The ability to critically read, evaluate, and synthesize literature in the field of outdoor education and carry out an original research project;

- Pedagogical skills and practical experience organizing, teaching, and leading diverse populations through experiential, field-based learning opportunities;
- Knowledge of professional practices including program administration, program development, risk management, emergency procedures, and awareness of industry standards, current issues and trends;
- Knowledge and skills specific to outdoor adventure pursuits and/or environmental education.

Outdoor Education Requirements

Required Courses		Credits	Semester
One of the following human development courses:			
EDU-2040	Child Development		
EDU-2170	Adolescent Development*		
PSY-2070	Developmental Psychology*	3	_____
EDU-3020	Educational Psychology	3	_____
ENV-1110	Introduction to Environmental Problems	3	_____
ENV-2050	The Natural History of Vermont OR		
BIO-2130	Natural History of the Yellowstone Plateau	3	_____
OER-1000	Introduction to Outdoor Education	4	_____
OER-3010	Learning in the Outdoors	4	_____
OER-3020	Program Planning in Outdoor Education	3	_____
OER-4900	Research in Outdoor Education	3	_____
PSY-1010	Introduction to Psychology	3	_____
OER-4810	Outdoor Education Internship	6 –12	_____
Total		35-41	

*Adventure education and wilderness leadership majors must select either EDU-2710 or PSY-2070.

Adventure Education & Wilderness Leadership Concentration

Students in this concentration will be prepared for work in the fast-growing field of educational and recreational outdoor programs. Employers of these graduates might include adventure outfitters and guide services, outdoor education centers and camps that include programs in outdoor living/travel and ropes courses, and outdoor leadership development programs. Graduating students could also pursue advanced degrees in outdoor education, outdoor recreation or outdoor therapeutic recreation.

Students in this concentration must document at least 25 days of wilderness or adventure leadership experiences when they apply for their required internship. Leadership opportunities are offered through various courses, the Outing Club, and local schools and agencies. Students should consult with their advisor early in their program to obtain details about this requirement.

Required Courses	Credits	Semester
-------------------------	----------------	-----------------

Outdoor Education Skills Courses

Select four of the following: (0.5-3.0 credits each) 2-7 _____

Fly-fishing, Hiking & Camping, Rock Climbing I, Advanced Rock Craft, Ice Climbing, Orienteering, Ropes Course, Cross-Country Skiing, Snowshoeing, Introduction to River Kayaking, Whitewater Kayaking, Coastal Kayaking, Winter Expedition, Teaching Assistant Internship, or activity-based special topics course, such as Wilderness Canoe Touring.

Additional Required Courses

OER-1061	Backpacking	1	_____
OER-2062	Advanced Backpacking	2	_____
OER-2050	Rock Climbing Instructor OR		
OER-1165	Coastal Kayak Guide Training (<i>or other approved instructor certification course</i>)	2	_____
OER-2060	Wilderness First Responder (<i>or proof of equivalent or higher level certification</i>)	4	_____
OER-2140	Ropes Course Leadership	2	_____
OER-3070	Adventure Education Theory and Practice	3	_____
OER-4030	Wilderness Leadership Techniques	4	_____
PSY-2420	Group Process: Theory and Practice	3	_____
Total		23-28	

**Adventure Education and Wilderness Leadership majors must select either EDU-2170 or PSY-2070.*

Environmental Education Concentration

Students in this concentration will be prepared for employment in a variety of settings, including working at outdoor education, environmental, and nature centers; as naturalists or interpreters in federal, state, or local parks; conducting nature or environmentally oriented activities for municipal or community recreation programs; as summer camp nature specialists; and as school and college workshop leaders and curriculum consultants. Students can also pursue advanced degrees in outdoor education and environmental education.

Required Courses	Credits	Semester
-------------------------	----------------	-----------------

BIO-1210	Introduction to Biology OR		
BIO-1211	Introduction to Biology: Ecology & Evolution	4	_____
BIO-2340	Fundamentals of Ecology	4	_____
ENV-1050	Introduction to Earth Science	4	_____
ENV-3220	Environmental Interpretation	3	_____
ENV-3230	National Parks and Wilderness Management	3	_____
ENV-4010	Global Environmental Issues	3	_____

Natural Science Field Course (Choose one of the following)

BIO-2145	Plant Biology	4	_____
BIO-3110	Field Ornithology	3	_____
BIO-3310	Wildlife Field Methods	4	_____
GEY-3120	Field Geology	4	_____

Total **24-25**

Environmental & Health Sciences Minors

Adventure Education Minor

Required Courses

Credits

Minimum of one OER Basic Skills Courses .5-3

Choice of: Snowshoeing, Cross-Country Skiing, Intro to River Kayaking, Fly-fishing, Hiking & Camping, Rock Climbing, Ropes Course, Orienteering, Whitewater Kayaking, Coastal Kayaking, Ice Climbing, Advanced Rock Craft, Wilderness Canoe Touring, Winter Expedition.

One Instructor-Level OER

2

Choice of: Rock Climbing Instructor, Ropes Course Leadership, Coastal Kayak Guide Training

Additional Required Courses

Credits

Semester

OER-1000	Introduction to Outdoor Education	3-4	_____
OER-1061	Backpacking	1	_____
OER-2060	Wilderness First Responder	4	_____
OER-2062	Advanced Backpacking	2	_____
OER-3070	Adventure Education Theory & Practice	3	_____
OER-4030	Wilderness Leadership Techniques	4	_____

Total **19.5-23**

Biology Minor

Required Courses

Credits

Semester

BIO-1211	Introduction to Biology: Ecology and Evolution	4	_____
BIO-1212	Introduction to Biology: Cells and Genetic Basis of Life	4	_____

Plus a minimum of 16 biology credits to consist of four 2000-level or higher biology courses of which at least two are at the 3000-4000 level.

Total **24**

Chemistry Minor

Required Courses

Credits

Semester

CHE-1031	General Chemistry I	4	_____
CHE-1032	General Chemistry II	4	_____
CHE-XXXX	Two additional upper-level CHE courses	8	_____
ENV-1110	Introduction to Environmental Problems	3	_____

Total **19**

A chemistry minor is not allowed for students who are seeking a B.S. degree in: 1) integrated environmental science or 2) biology.

Environmental Education Minor

Required Courses		Credits	Semester
ENV-1050	Introduction to Earth Science	4	_____
ENV-1110	Introduction to Environmental Problems	3	_____
ENV-3220	Environmental Interpretation	3	_____
ENV-4010	Global Environmental Issues	3	_____
ENV-XXXX	One additional upper-level ENV course	3	_____
OER-3010	Learning in the Outdoors	4	_____
Total		20	

Natural Resources Minor

Required Courses		Credits	Semester
ENV-1050	Introduction to Earth Science	4	_____
ENV-1110	Introduction to Environmental Problems	3	_____
ENV-3030	Water Resources	3	_____
ENV-3040	Energy and Mineral Resources	3	_____
ENV-XXXX	Two additional upper-level ENV courses	6	_____
Total		19	

The Department of Environmental and Health Sciences offers courses with the following designators: AHS (allied health science), BIO (biology), CHE (chemistry), ENV (environmental science), GEY (geology), OER (outdoor education and recreation), PED (physical education), PHY (physics), and SCI (science). See full course descriptions on page 114.

Department of Fine & Performing Arts

Degree Programs

Studio Arts:

Art (B.A.)
Studio Arts (B.F.A.)

Performing Arts:

Music (B.A.) - Classical,
Jazz,/Contemporary, General Studio,
Music Ed.
Musical Theater (B.A.)
Theater and Drama (B.A.)
Technical Theater (A.A.)

Minors

Art History
Arts Management for Theater Majors
Dance
Music
Studio Arts
Theater

Licensure Programs

Art (K-6, 7-12, K-12)
Dance (7-12)
Music (K-12)
Theater Arts (7-12)

Faculty / Staff

Susan Calza, *Professor*
Kenneth Leslie, *Professor*
Russell Longtin, *Professor*
Maris Wolff, *Professor*
Steve Blair, *Associate Professor*
John Miller, *Associate Professor*
Sean Clute, *Assistant Professor*
Mary Martin, *Assistant Professor*
Bethany Plissey, *Assistant Professor*
Mary Parizo, *Administrative Assistant*

Studio Arts

Bachelor of Arts in Art

Within this program, students create work in a variety of disciplines, including drawing, painting, sculpture, printmaking, photography, digital media, and ceramics. The degree provides students with a critical and historical perspective for assessing their work. All majors must participate in monthly department-wide critiques.

Learning Outcomes for Art Majors

Graduating students should be able to:

1. Articulate informed and ideologically sound ideas about art, both historic and contemporary, and connect those ideas to the wider world.
2. Create artwork that is technically proficient and imbued with meaningful content.
3. Demonstrate a general understanding, ability, and resourcefulness with a wide range of art media, as well as a deeper understanding of at least one medium such as drawing, painting, sculpture, or photography.
4. Have an openness to ideas other than their own, and a willingness to take risks with their own work.
5. Have established regular studio practice, which will hopefully be lifelong, be aware of developing issues in their own work, and know how to continue on their own in the pursuit of that vision, with strategies for maintaining self-awareness.

Art Requirements

Required Courses		Credits	Semester
ARH-2010	Survey of Western Traditions in Art	3	_____
ARH-2060	Survey of Non-Western Traditions in Art	3	_____
ART-1011	Drawing I	3	_____
ART-1140	Design	3	_____
ART-2110	Introduction to Digital Media	3	_____
ART-2211	Painting I	3	_____
ART-2251	Sculpture I	3	_____
Subtotal		21	
Introductory Studio Electives (Select two courses)			
ART-1231	Ceramics I	3	_____
ART-2150	Jewelry & Metalsmithing	3	_____
ART-2301	Photography I	3	_____
ART-2410	Introduction to Printmaking	3	_____
Subtotal		6	
Advanced Art History and Studio* Electives			
(Select five courses, including at least one from ARH and one from ART)			
ARH-3015	Greek and Roman Art	3	_____
ARH-3020	Art of the Renaissance	3	_____
ARH-3060	20th Century Art	3	_____
ARH-3110	The Spiritual in Non-Western Art	3	_____
ARH-3120	Art Criticism	3	_____
ARH-3130	History of Photography	3	_____
ARH-3140	African Art	3	_____
ARH-3150	Art of the Human Body	3	_____
ARH-3210	Women in Art	3	_____
ARH-4710	Special Topics in Art History	3	_____
ART-3031	Life Drawing	3	_____
ART-3032	Advanced Drawing	3	_____
ART-3040	Landscape Painting	3	_____
ART-3222	Advanced Ceramics	3	_____
ART-3314	Advanced Printmaking	3	_____
ART-3320	Monoprints	3	_____
ART-4020	Advanced Digital Media	3	_____
ART-4040	Advanced Photography	3	_____
ART-4050	Advanced Painting	3	_____
ART-4060	Advanced Digital: Graphic Design	3	_____
ART-4070	Advanced Digital: Web Design for Artists	3	_____
ART-4110	Visual Art and Performance	3	_____
ART-4130	Advanced Sculpture	3	_____
ART-4710	Special Topics in Studio Arts	3	_____
Subtotal		15	

Coming Soon: Asian Art

**Students may take the same Advanced Studio course more than once, but no more than twice with the SAME professor.*

Required Capstone Course:

ARH-4720	Seminar in Contemporary Art Issues	3	_____
Total		45	

Bachelor of Fine Arts in Studio Arts

Admission to the program (generally in the sophomore or junior year) must be followed by a minimum of three semesters of studio work before the thesis exhibition. A student is admitted into the program only upon recommendation by the studio arts faculty and approval by the chairperson, following a successful portfolio review. All majors must participate in the monthly BFA critiques held in the Visual Arts Center Gallery. Each candidate for the BFA must present an exhibition and gallery talk during the final year of study. This exhibit is prepared under the guidance and supervision of the art faculty and must demonstrate proficiency in a chosen area of concentration.

Learning Outcomes for Studio Arts Majors

In addition to the outcomes for the B.A. in art, students with a B.F.A. in studio arts should also be able to:

1. Be familiar with the professional art world, from the perspective of career options, including exhibition venues, graduate school, and grant opportunities.
2. Assemble a professional portfolio.
3. Understand the mechanics of setting up a safe and functioning studio.
4. Know how to do a professional exhibition of their art, write about their art, and speak about their art at a public event.

Studio Arts Requirements

Required Courses		Credits	Semester
ARH-2010	Survey of Western Traditions in Art	3	_____
ARH-2060	Survey of Non-Western Traditions in Art	3	_____
ART-1011	Drawing I	3	_____
ART-1140	Design	3	_____
ART-2110	Introduction to Digital Media	3	_____
ART-2211	Painting I	3	_____
ART-2251	Sculpture I	3	_____
Subtotal		21	

Introductory Studio Electives (Select two courses)

ART-1231	Ceramics I	3	_____
ART-2150	Jewelry & Metalsmithing	3	_____
ART-2301	Photography I	3	_____
ART-2410	Introduction to Printmaking	3	_____
Subtotal		6	

Advanced Art History Electives (Select two courses)

ARH-3015	Greek and Roman Art	3	_____
ARH-3020	Art of the Renaissance	3	_____
ARH-3060	20th Century Art	3	_____
ARH-3110	The Spiritual in Non-Western Art	3	_____
ARH-3120	Art Criticism	3	_____
ARH-3130	History of Photography	3	_____
ARH-3140	African Art	3	_____
ARH-3150	Art of the Human Body	3	_____
ARH-3210	Women in Art	3	_____
ARH-4710	Special Topics in Art History	3	_____
Subtotal		6	

Coming Soon: Asian Art**Advanced Studio Electives (Select six courses)**

(All advanced studio courses may be repeated for credit – see below*)

ART-3031	Life Drawing	3	_____
ART-3032	Advanced Drawing	3	_____
ART-3040	Landscape Painting	3	_____
ART-3222	Advanced Ceramics	3	_____
ART-3314	Advanced Printmaking	3	_____
ART-3320	Monoprints	3	_____
ART-4020	Advanced Digital Media	3	_____
ART-4040	Advanced Photography	3	_____
ART-4050	Advanced Painting	3	_____
ART-4060	Advanced Digital: Page Layout & Design	3	_____
ART-4070	Advanced Digital: Web Design for Artists	3	_____
ART-4110	Visual Art and Performance	3	_____
ART-4130	Advanced Sculpture	3	_____
ART-4710	Special Topics in Studio Arts	3	_____
Subtotal		18	

Required Capstone Courses:

ART-4120	BFA Thesis Exhibition	3	_____
ARH-4720	Seminar in Contemporary Art Issues	3	_____
ART-4730	BFA Seminar	3	_____
Subtotal		9	
Total		60	

• *Students may take the same Advanced Studio course more than once, but no more than twice with the SAME professor.

• Grades for BFA Thesis Exhibition will be determined by the thesis advisor in consultation with the full department.

• Once admitted into the BFA program via their BFA Review, students must achieve grades no lower than B- in all ART and ARH courses.

Licensure in Art (K-6, 7-12, K-12)

Students pursuing licensure in art must submit passing scores on Praxis I and II, complete either the B.A. degree in art or the B.F.A. degree in studio arts, and the following licensure-specific courses:

Required Licensure-Specific Courses		Credits	Semester
K-6 Licensure			
ART-3120	Elementary Art Education Methods	3	_____
EDU-2040	Child Development	3	_____
EDU-2110	Introduction to Exceptional Populations	3	_____
EDU-2320	Engaged in Creative Teaching and Learning	3	_____
EDU-3020	Educational Psychology	3	_____
EDU-3240	Literacy Development in the Content Areas	3	_____
EDU-4812	Art Student Teaching	12	_____
Total		30	
7-12 Licensure			
ART-3140	Secondary Art Education Methods	3	_____
EDU-2110	Introduction to Exceptional Populations	3	_____
EDU-2170	Adolescent Development	3	_____
EDU-2320	Engaged in Creative Teaching and Learning	3	_____
EDU-3020	Educational Psychology	3	_____
EDU-3240	Literacy Development in the Content Areas	3	_____
EDU-4812	Art Student Teaching	12	_____
Total		30	
K-12 Licensure			
ART-3120	Elementary Art Education Methods	3	_____
ART-3140	Secondary Art Education Methods	3	_____
EDU-2040	Child Development	3	_____
EDU-2110	Introduction to Exceptional Populations	3	_____
EDU-2170	Adolescent Development	3	_____
EDU-2320	Engaged in Creative Teaching and Learning	3	_____
EDU-3020	Educational Psychology	3	_____
EDU-3240	Literacy Development in the Content Areas	3	_____
EDU-4812	Art Student Teaching	12	_____
Total		36	

*Students must earn a B- or better in all of the above courses.

* Please see other important licensure requirements on page 55 for more information.

Performing Arts

An audition is required for all students considering a performing arts major. This process is an advising tool and will not preclude a student from admission into Johnson State College. Students will be juried after their first year in the program. Please contact the administrative assistant for the Department of Fine and Performing Arts.

Music

Learning Outcomes for Music Majors

1. Students will develop a broad range of knowledge in harmony; explore the content of melody; study several aspects of rhythm; learn how music develops from the perspective of form; and will combine the many resources of sound.
2. Students will attain the skills necessary to communicate musical ideas in written form and to read music from various resources.
3. Students will become familiar with the current available forms of music technology.
4. Students will apply all elements of study to music performance, recording, composition/arranging, and internships.
5. Students will demonstrate an understanding of music as aural art.

Bachelor of Arts in Music - Classical Studies

This program of study is designed for students who are already proficient in a classical instrument or voice and who are interested in advanced training in all areas of technique, musical theory, history and style. It is designed for students who are seriously interested in pursuing advanced degrees or careers in classical music performance, or in teaching music theory or history. Ensembles can include small string, wind and vocal chamber ensembles, Chamber Singers, choir and band. Graded juries are held each semester and a senior recital is required.

Music - Classical Studies Requirements

Required Courses		Credits	Semester
MUS-1051	Keyboard Harmony I	1	_____
MUS-1061	Ear Training I	1	_____
MUS-1231	Music Theory I	3	_____

**The above courses should be taken concurrently*

MUS-1052	Keyboard Harmony II	1	_____
MUS-1062	Ear Training II	1	_____
MUS-1232	Music Theory II	3	_____

**The above courses should be taken concurrently*

MUS-2053	Keyboard Harmony III	1	_____
MUS-2023	Ear Training III	1	_____
MUS-2313	Music Theory III	3	_____

**The above courses should be taken concurrently*

MUS-2054	Keyboard Harmony IV	1	_____
MUS-2024	Ear Training IV	1	_____
MUS-2314	Music Theory IV	3	_____

**The above courses should be taken concurrently*

MUS-2160	Introduction to Technology in Music	2	_____
MUS-3031	History of Western Music I	3	_____
MUS-3032	History of Western Music II	3	_____
Subtotal		28	

**Tracks:
Performance**

MUS-1120, 3240, 4030	Applied Lessons	12	_____
MUS-2220	Music Ensemble	4	_____
MUS-4720	Senior Recital	2	_____
Total		46	

Studio Production

MUS-1120, 3240, 4030	Applied Lessons	6	_____
MUS-2220	Music Ensemble	3	_____
MUS-2231	Studio Recording I	3	_____
MUS-3272	Studio Recording II	3	_____
MUS-2810/ 4810	Internship (optional)	1-6	_____
MUS-4020	Final Production in Studio Recording	2	_____
Total		45-51	

Bachelor of Arts in Music - Jazz/Contemporary Studies

This program is designed for students interested in pursuing careers in jazz performance or contemporary music and who can demonstrate reasonable competency in at least one instrument or in voice. The concentration includes two tracks: a performance track for students primarily interested in developing performance skills and a studio production track for students interested primarily in acquiring technical skills that will prepare them to work in professional music studios.

Music - Jazz/Contemporary Studies Requirements

Required Courses		Credits	Semester
MUS-1051	Keyboard Harmony I	1	_____
MUS-1061	Ear Training I	1	_____
MUS-1231	Music Theory I	3	_____
<i>*The above courses should be taken concurrently</i>			
MUS-1052	Keyboard Harmony II	1	_____
MUS-1062	Ear Training II	1	_____
MUS-1232	Music Theory II	3	_____
<i>*The above courses should be taken concurrently</i>			
MUS-2211	Jazz/Contemporary Keyboard III	1	_____
MUS-2111	Jazz/Contemporary Ear Training III	1	_____
MUS-2013	Jazz/Contemporary Theory III	3	_____
<i>*The above courses should be taken concurrently</i>			
MUS-2212	Jazz/Contemporary Keyboard IV	1	_____
MUS-2112	Jazz/Contemporary Ear Training IV	1	_____
MUS-2014	Jazz/Contemporary Theory IV	3	_____
<i>*The above courses should be taken concurrently</i>			
MUS-2160	Introduction to Technology in Music	2	_____
MUS-3031	History of Western Music I OR		
MUS-3032	History of Western Music II	3	_____
MUS-3040	Jazz in America	3	_____
MUS-3140	Jazz Arranging	3	_____
Subtotal		31	
Tracks:			
Performance			
MUS-1120, 3240, 4030	Applied Lessons	12	_____
MUS-2220	Music Ensemble	4	_____
MUS-2310	Jazz Improvisation	3	_____
MUS-4720	Senior Recital	2	_____
Total		52	

Studio Production

MUS-1120, 3240, 4030	Applied Lessons	6	_____
MUS-2220	Music Ensemble	3	_____
MUS-2231	Studio Recording I	3	_____
MUS-3272	Studio Recording II	3	_____
MUS- 2810/4810	Internship (optional)	1-6	_____
MUS-4020	Final Production in Studio Recording	2	_____
Total		49-54	

Bachelor of Arts in Music - General Studies

This option is designed for students who do not plan to become performers but wish to pursue the study of music. The student who chooses this track must have acquired competency in at least one instrument or voice. Participation in performance ensembles is optional, but recommended.

Music - General Studies Requirements

Required Courses		Credits	Semester
MUS-1051	Keyboard Harmony I	1	_____
MUS-1061	Ear Training I	1	_____
MUS-1231	Music Theory I	3	_____

**The above courses should be taken concurrently.*

MUS-1052	Keyboard Harmony II	1	_____
MUS-1062	Ear Training II	1	_____
MUS-1232	Music Theory II	3	_____

**The above courses should be taken concurrently.*

MUS-2053	Keyboard Harmony III OR		
MUS-2211	Jazz/Contemporary Keyboard III	1	_____
MUS-2023	Ear Training III OR		
MUS-2111	Jazz/Contemporary Ear Training III	1	_____
MUS-2313	Music Theory III OR		
MUS-2013	Jazz/Contemporary Theory III	3	_____

**The above courses should be taken concurrently.*

MUS-2054	Keyboard Harmony IV OR		
MUS-2212	Jazz/Contemporary Keyboard IV	1	_____
MUS-2024	Ear Training IV OR		
MUS-2112	Jazz/Contemporary Ear Training IV	1	_____
MUS-2314	Music Theory IV OR		
MUS-2014	Jazz/Contemporary Theory IV	3	_____

**The above courses should be taken concurrently.*

MUS-2160	Introduction to Technology in Music OR		
MUS-3215	Music Technology in the Classroom (for Music Ed. only)	2 or 3	_____
MUS-3031	History of Western Music I	3	_____
MUS-3032	History of Western Music II	4	_____
MUS-3330	Worlds of Music	3	_____
	Plus a minimum of 17 additional music credits; at least nine of which must be upper level.	17	
Total		48-49	

Licensure in Music Education

This concentration is designed for students pursuing licensure in the field of music education K-12 and who can demonstrate proficiency in at least one instrument or voice. A recital is required. Students are given final approval to enter into a teaching practicum only upon satisfactory completion of Praxis I and II and a comprehensive diagnostic examination. The major areas covered in the examination are music theory, music history, music education concepts, keyboard harmony, and ear training, sight singing and piano proficiency.

Required Courses	Credits	Semester
Music education students must complete either the B.A. in music - classical studies or the B.A. in music - jazz/contemporary studies concentration and the following additional licensure-specific courses:		
MUS-3401	Conducting I	3 _____
MUS-3402	Conducting II	3 _____
MUS-3215	Music Technology for the Classroom	3 _____

A minimum of 8 credits from the following two-and/or three-credit courses:

MUS-1050	Elementary Piano Class	2 _____
MUS-2040	Foreign Language Diction	2 _____
MUS-2120	String Instrument Teaching Methods	2 _____
MUS-2130	Woodwind Instrument Teaching Methods	2 _____
MUS-2140	Brass Instrument Teaching Methods	2 _____
MUS-2240	Percussion Instrument Teaching Methods	2 _____
MUS-2330	Elementary Voice Class	3 _____
MUS-3060	Vocal Pedagogy K-12	2 _____
MUS-3080	Choral Literature	2 _____

Additional Requirements

EDU-2040	Child Development	3	_____
EDU-2110	Introduction to Exceptional Populations	3	_____
EDU-2170	Adolescent Development	3	_____
EDU-2320	Engaged in Creative Teaching and Learning	3	_____
EDU-3020	Educational Psychology	3	_____
EDU-3240	Literacy Development in the Content Areas	3	_____
EDU-4830	Music Student Teaching	12	_____
MUS-3160	Elementary School Music Methods	3	_____
MUS-3210	Secondary School Music Methods	3	_____
MUS-3720	Seminar in Music Education**	6	_____
Total		105-113	

*Students must earn a B- or better in all of the above courses.

**Seminar in Music Education must be taken each year, beginning in the sophomore year, until coursework is completed (2 credits each of the three times taken).

Students pursuing more than one applied instrument in any given semester may register for not more than one credit in a secondary applied instrument. Instrumental and voice students, other than pianists, must study classical piano as a second instrument either in piano class or in a one-credit lesson per semester or a combination of both, to total 4 credits. In addition, at least two of the required ensemble credits (MUS-2222) must be in choir.

*Please see other important licensure requirements on page 55 for more information.

Bachelor of Arts in Musical Theater

The B.A. in musical theater will link already-existing programs in theater, music, and dance, relying primarily on present resources in the Performing Arts Department and creating several new classes unique to the demands of singer/actor training, a market whose growth in the New England area has been quite sturdy in the past decade. The program will require 55 credits in theater and music, including up to 3 classes in dance and an internship. This degree brings theater, music, and dance together in a collaboration designed to enhance the employment possibilities/potential of singer/actors and widen their career prospects as performers, training them to compete in the musical theater market.

Learning Outcomes for Musical Theater Majors

1. Demonstrate fluency in all facets of theater/music including writing, speech, sight reading, and performance.
2. Possess the verbal and writing skills to analyze, criticize, and interpret both music and play script.
3. Master skills of acting, singing, and dance both on and off the stage.
4. Articulate the role of musical theater and theater in creating and sustaining community and local culture.
5. Describe and apply knowledge of audience development, theater production, and the economic sustainability of a theater company or service.

Musical Theater Requirements

Required Courses		Credits	Semester
THA-1041	Introduction to Theater Arts	3	_____
THA-2121	Acting I	3	_____
THA-2122	Acting II	3	_____
THA-4730	Seminar in Professional Preparation for the Actor	3	_____
MUS-1051	Keyboard Harmony I	1	_____
MUS-1052	Keyboard Harmony II	1	_____
MUS-1061	Ear Training I	1	_____
MUS-1062	Ear Training II	1	_____
MUS-1231	Music Theory I	3	_____
MUS-1232	Music Theory II	3	_____
MUS-3230	Survey of American Musical Theater	3	_____
Subtotal		25	
Musical Theater Requirements			
DAN-1010/2040/2131/3130	Fundamentals, Beginning Tap, Ballet, Jazz	3-9	_____
MUS-2330	Elementary Voice Class AND/OR	3	_____
MUS-1120, 3240, 4030	Applied Voice Lessons	3-9	_____
MUS-2350/4010	Musical Theater Production	9	_____
MUS-3090	Song Interpretation: Bringing Songs to Life	3	_____
Minimum 12 credits from the following:		12	_____
Recommended for dancers: 3 cr. voice, 9 cr. dance			
Recommended for singers: 3 cr. dance, 9 cr. voice			
Subtotal		33-45	
Electives (6 credits from the following)			
MUS-1050	Elementary Class Piano	3	_____
THA-1111	Stagecraft	3	_____
THA-3040	Improvisation for Actors	3	_____
THA-3123	Acting III (Styles)	3	_____
Total		45-57	

Theater

Bachelor of Arts in Theater and Drama

The B.A. in Theater and Drama is designed to serve students who aspire to become theater performers, teachers, theater technicians and managers, or those who wish simply to gain a broader knowledge and understanding of themselves and the world around them as part of a strong liberal arts education. It also prepares students for graduate work.

Learning Outcomes for Theater and Drama Majors

1. Students will articulate their grasp of the many facets of theater, including its history, literature and performance, through writing, speech, and their own performance.
2. Students will acquire the verbal and writing skills necessary to master the processes of analysis, criticism, and interpretation unique to theater and, yet, interdisciplinary as well.
3. Students will develop their individual skills in acting, directing, design, and management both on and offstage and in the classroom, making the link between the "page" and the "stage."
4. Students will be prepared to succeed in the professional world of theater, in graduate school, teaching, or working in community settings.
5. Students will collaborate with fellow students and faculty in developing their own levels of focus, discipline, and responsibility within a creative environment.

Theater and Drama Requirements

Required Courses

		Credits	Semester
MUS-2330	Elementary Voice Class	3	_____
THA-1040	Interpreting Contemporary Dramatic Literature	3	_____
THA-1041	Introduction to Theater Arts	3	_____

Historical and Literary Studies

THA-2030	Costume History and Design	3	_____
THA-3010	Shakespeare: "On the Stage and On the Page"	3	_____
THA-3110	Dramatic Literature: Classical/Modern	3	_____

Production and Performance Skills

DAN-2030/3030	Improvisation/Composition	4	_____
THA-1111	Stagecraft	3	_____
THA-2121	Acting I	3	_____
THA-2122	Acting II	3	_____
THA-3210	Introduction to Directing	3	_____

Elective (select one course from the following)

DAN-3010	Renaissance Spirit	3	_____
THA-2035	Costume Construction and Stage Make Up	3	_____
THA-3030	Children's Theater	3	_____
THA-3040	Improvisation for Actors	3	_____
THA-3123	Acting III	3	_____
THA-3130	Introduction to Scene Design and Stage Lighting	3	_____
THA-3150	Introduction to Stage Management	3	_____
THA-3720	Playwriting Workshop	3	_____

Laboratory Experiences

THA-2040/4010	Performance and Production Lab (3 of 6 credits should be performance in one musical over 4 years)	6	_____
THA-4720	Senior Project in Theater*	3	_____
THA-4730	Seminar in Professional Preparation for the Actor	3	_____

Total **49**

*If students elect to direct their own theater production as their senior project, THA-3150 Introduction to Stage Management and THA-3210 Introduction to Directing will be prerequisites for their senior project.

Licensure in Theater Arts (7-12)

Students desiring licensure in theater arts must submit passing scores on Praxis I, complete the B.A. degree in theater and drama, and the following licensure specific courses:

Required Licensure Specific Courses		Credits	Semester
EDU-2110	Introduction to Exceptional Populations	3	_____
EDU-2170	Adolescent Development	3	_____
EDU-2320	Engaged in Creative Teaching and Learning	3	_____
EDU-3020	Educational Psychology	3	_____
EDU-3210	Secondary Education Methods: General	2	_____
EDU-3240	Literacy Development in the Content Areas	3	_____
EDU-3250	Secondary Education Methods: Theater	1	_____
EDU-4850	Secondary Education Student Teaching	12	_____
Total		30	

*Students must earn a B- or better in all of the above courses.

*Please see other important licensure requirements on page 55 for more information.

Licensure in Dance (7-12)

Johnson State College does not offer a major in dance; to graduate, a student must complete an approved major in another field. To be licensed in dance, students must successfully complete Praxis I, an approved major, and complete the following licensure-specific courses:

Required Licensure-Specific Courses		Credits	Semester
DAN-1010	Fundamentals of Dance	3	_____
DAN-1030	Body Awareness	3	_____
DAN-1111	Modern Dance	3	_____
DAN-2010	Folk Dance	3	_____
DAN-2030	Improvisation/Composition	4	_____
DAN-2131	Ballet	3	_____
DAN-3010	The Renaissance Spirit	3	_____
DAN-3020	Intermediate Ballet: Technique and History	3	_____
DAN-3030	Improvisation/Composition: Intermediate/Advanced Level	4	_____
DAN-3112	Intermediate Modern Dance: Technique and History	3	_____
DAN-3130	Jazz Dance	3	_____
EDU-2110	Introduction to Exceptional Populations	3	_____
EDU-2170	Adolescent Development	3	_____
EDU-2320	Engaged in Creative Teaching and Learning	3	_____
EDU-3020	Educational Psychology	3	_____
EDU-3210	Secondary Education Methods: General	2	_____
EDU-3240	Literacy Development in the Content Areas	3	_____
EDU-3260	Secondary Education Methods: Dance	1	_____
EDU-4850	Secondary Education Student Teaching	12	_____
THA-1041	Introduction to Theatre Arts	3	_____
Total		68	

**Students must earn a B- or better in all of the above courses.*

**Please see other important licensure requirements on page 55 for more information.*

Associate of Arts in Technical Theater

This career-oriented program includes course work in technical theater skills (stagecraft, lighting and design, music and audio engineering), studio and performing arts, and general management; an internship is required.

Learning Outcomes for Technical Theater Majors

Competency #1: Awareness of and Competency in 21st Century Literacies

Students will:

- Be able to produce an electronic portfolio of their learning journey, specifically focused on the degree program, in hopes it will become a lifelong process.
- Demonstrate creativity and collaboration.
- Expand their global awareness and exposure to diversity and communities.
- Be able to use information and computer technology.
- Have an increased civic and economic awareness.
- Demonstrate basic quantitative reasoning and skills, especially geospatial literacy.
- Have opportunities to develop leadership.

- Develop their personal learning network.
- Be employable in a 21st-century work environment.
- Be aware of the environmental implications of their discipline.

Competency #2: General Backstage Knowledge and Aptitude

Students will:

- Demonstrate knowledge of stage etiquette, correct communication, and nomenclature.
- Demonstrate safety and hazard awareness.
- Understand the organization structure of the theater, related job descriptions, and fulfilling their position(s) within.
- Consistently exhibit professional attitude, attendance, and behavior.
- Students will collaborate and communicate productively with the crew.

Competency #3: Basic Stage Carpentry Skills

Students will:

- Demonstrate knowledge of the fly system: loading, mechanics, safety, and flying.
- Understand sight lines, trims, proper handling of masking and drops.
- Understand basic rigging: knots, shackles, slings, wire clamps, etc.
- Understand basic set assembly: basic tools and safety, flats and platform, construction, jacks, pipe structures, etc.
- Load-in, set-up, and load-out road shows of all types.
- Collaborate and communicate productively with a diversity of visions.

Competency #4: Basic Knowledge of Stage Lighting and Set Design and Implementation for Theater, Music, and Dance

Students will:

- Analyze a script, present a story board or creative interpretation and concept of the design.
- Draft a lighting plot, with all related paper work: patch, instrument schedule, cut list, focus chart, etc.
- Understand WYSIWYG and Emphasis software.
- Operate, design with, and understand intelligent fixtures and other DMX accessories.
- Understand stage electrics: safety, loads, instruments, maintenance, read, hang, circuit, focus, color, and trouble shoot a plot.
- Demonstrate basic board skills: load a plot, patch, record Q's, Subs, and operate.
- Design a show: document collaboration from concept to actualization.

Competency #5: Basic Knowledge of Sound Systems, Ability to Set Up, Understand Components, Operate for Theater, Music, and Dance

Students will:

- Understand and use Digital Performer software and other Audio programs.
- Have a basic understanding of sound theory including EQ, decibels, frequencies, etc.
- Understand basic system set-ups: Dabden, Performance Space, and Andy Shapiro Recording Studio, including: power, tie-ins, FOH, Monitors, Amps, crossover, and drive rack configurations.
- Design sound plots with speaker and microphone placement, theory, and practice, in each genre.
- Mix live and for recording when possible for all genres: rock, classical, jazz, folk, pop, theater and musical theater.
- Be able to set up headsets, hard of hearing systems, lectures, etc., independently.

- Load-in, set-up, and load-out different road shows.
- Collaborate and communicate productively with a diversity of visitors.

Required Courses		Credits	Semester
THA-1041	Introduction to Theater Arts	3	_____
THA-1111	Stagecraft	3	_____
THA-2020	Theater Lab (4 times; 2 upper-level, 2 lower-level)	12	_____
THA-2810	Internship in Theater	6	_____

Required Courses		Credits	Semester
THA-3130	Introduction to Scene Design and Stage Lighting	3	_____
CIS-1041	Microcomputer Applications I	3	_____

Career Concentration Component

This component permits students to customize and focus their studies. Students must complete all course work listed within at least one of the following clusters and must complete 12 credits in all:

Performing Arts (Take three of the following courses)

THA-1040	Interpreting Contemporary Dramatic Literature	3	_____
THA-2030	Costume History and Design	3	_____
THA-2035	Costume Construction and Stage Make-Up	3	_____
THA-2121	Acting I	3	_____

Business Management

BUS-2020	Principles of Management	3	_____
BUS-2140	Personal Finance	3	_____
BUS-2410	Human Resource Management	3	_____

Computer Information Systems

CIS-2220	Web Site Design	3	_____
CIS-3040	Database	3	_____
CIS-4120	Systems Analysis and Design	3	_____

Music and Audio Technology

MUS-2160	Introduction to Technology in Music	3	_____
MUS-2231	Studio Recording I	3	_____
MUS-3272	Studio Recording II	3	_____

Fine and Studio Arts

ARH-2010	Survey of Western Traditions in Art	3	_____
ART-1011	Drawing I	3	_____
ART-1140	Design	3	_____
Total		42	

Fine and Performing Art Minors

Art History Minor

Required Courses		Credits	Semester
ARH-2010	Survey of Western Traditions in Art	3	_____
ARH-2060	Survey of Non-Western Traditions in Art	3	_____
Subtotal		6	

Introductory Studio Electives (select two courses)

ART-1011	Drawing I	3	_____
ART-1231	Ceramics I	3	_____
ART-2110	Introduction to Digital Media	3	_____
ART-2150	Jewelry & Metalsmithing	3	_____
ART-2211	Painting I	3	_____
ART-2251	Sculpture I	3	_____
ART-2301	Photography I	3	_____
ART-2410	Introduction to Printmaking I	3	_____
Subtotal		6	

Advanced Art History Electives (select three courses):

ARH-3015	Greek and Roman Art	3	_____
ARH-3020	Art of the Renaissance	3	_____
ARH-3060	20th-Century Art	3	_____
ARH-3110	The Spiritual in Non-Western Art	3	_____
ARH-3120	Art Criticism	3	_____
ARH-3130	History of Photography	3	_____
ARH-3140	African Art	3	_____
ARH-3150	Art of the Human Body	3	_____
ARH-3210	Women in Art	3	_____
ARH-4710	Special Topics in Art History	3	_____
ARH-4720	Seminar in Contemporary Art Issues	3	_____
Subtotal		9	
Total		21	

Arts Management for Theater Majors Minor

Required Courses		Credits	Semester
ACC-2121	Financial Accounting	4	_____
ACC-2122	Managerial Accounting	4	_____
BUS-2020	Principles of Management	3	_____
BUS-2230	Principals of Marketing	3	_____
BUS-2410	Human Resource Management	3	_____
CIS-1041	Microcomputer Applications I	3	_____
ECO-1020	Introduction to Economics OR		_____
ECO-2030	Microeconomics OR		
ECO-2020	Macroeconomics	3	_____
Total		23	

Dance Minor

The minor in dance exposes students to the vital aspects of the art as performers, creators and observers. Courses provide students with a conceptual, historical, and technical background. Advanced students may become members of the Johnson Dance Ensemble, our student dance company, or may have the opportunity to become an apprentice in the Vermont Dance Collective.

Required Courses		Credits	Semester
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The dance minor consists of a minimum of 24 credits selected from the following courses:

DAN-1010	Fundamentals of Dance	3	_____
DAN-1111	Modern Dance	3	_____
DAN-2010	Folk Dance	3	_____
DAN-2030	Improvisation/Composition	4	_____
DAN-2131	Ballet	3	_____
DAN-3020	Intermediate Ballet: Technique and History	3	_____
DAN-3030	Improvisation/Composition: Intermediate/Advanced Level	4	_____
DAN-3112	Intermediate Modern Dance: Technique and History	3	_____
DAN-3130	Jazz Dance	3	_____
DAN-4130	Advanced Ball/Modern Dance: Technique and History	3	_____
Total		24	

Music Minor

The music minor exposes students to a broad overview of music and is an option for students who want to continue playing and studying music but are majoring in another field. Individual lessons and performance opportunities are offered in both traditional and jazz/contemporary settings.

Required Courses		Credits	Semester
MUS-1015	Meet The Masters	3	_____
MUS-1051	Keyboard Harmony I	1	_____
MUS-1052	Keyboard Harmony II	1	_____
MUS-1061	Ear Training I	1	_____
MUS-1062	Ear Training II	1	_____
MUS-1231	Music Theory I	3	_____
MUS-1232	Music Theory II	3	_____

Select any two additional MUS courses, at least one of which is at the 3000 level 6 _____

Select any combination (4 credits total):

MUS-1120	Applied Music Lessons	1 ea.	_____
MUS-2220	Music Ensemble	1 ea.	_____
MUS-3240	Applied Music Lessons	2 ea.	_____

Total 23

Studio Arts Minor

The minor in studio arts combines foundation work in drawing and art history with study in the student's choice of four studio areas.

Required Courses		Credits	Semester
ARH-2010	Survey of Western Traditions in Art	3	_____
ARH-2060	Survey of Non-Western Traditions in Art	3	_____
ART-1011	Drawing I	3	_____
Subtotal		9	

Introductory Studio Electives (select four courses):

ART-1231	Ceramics I	3	_____
ART-2110	Introduction to Digital Media	3	_____
ART-2150	Jewelry & Metalsmithing	3	_____
ART-2211	Painting I	3	_____
ART-2251	Sculpture I	3	_____
ART-2301	Photography I	3	_____
ART-2410	Introduction to Printmaking	3	_____

Subtotal 12

Total 21

Note: Upper-level studio courses may be substituted for up to two of the introductory studio electives.

Theater Minor

The minor in theater provides both a conceptual and practical study of performance and production, as well as a basic historical and literary background.

Required Courses		Credits	Semester
THA-1041	Introduction to Theater Arts	3	_____
THA-1111	Stagecraft	3	_____
THA-3140	Theater History	3	_____

Select three courses from the following:

THA-2121	Acting I	3	_____
THA-2122	Acting II	3	_____
THA-3030	Children's Theater	3	_____
THA-3123	Acting III	3	_____
THA-3130	Introduction to Scene Design and Stage Lighting	3	_____
THA-3210	Introduction to Directing	3	_____

Select one course from the following:

(Complete THA-3140 before taking these courses):

THA-3010	Shakespeare: "On the Stage and on the Page"	3	_____
THA-3110	Dramatic Literature: Classical/Modern	3	_____

Total **21**

The Department of Fine and Performing Arts offers courses with the following designators: ARH (art history), ART (studio arts and art education), DAN (dance), MUS (music), THA (theater arts). See full course descriptions on page 114. The department also offers a Master of Fine Arts Program in Studio Arts. For further information, see the Johnson State College graduate catalog.

Department of Humanities

Degree Programs

History (B.A.)
Political Science (B.A.)
General Studies (A.A.)

Minors

French
History
Political Science
Pre-Law
Spanish

Licensure Programs

Social Studies (7-12)

Faculty / Staff

Gerald Anderson, *Professor*
William Doyle, *Professor*
Eugene Sapadin, *Professor*
Paul Silver, *Professor*
Fredrick Wiseman, *Professor*
N.E. Bou-Nacklie, *Associate Professor*
Sharon Cline, *Assistant Professor*
Sandra Noyes, *Staff Assistant*

Bachelor of Arts in History

History is recognized as a field central to the liberal arts tradition. Its study of the variety and diversity of human experience through time is vital to developing an educated perspective on the world today.

A history major is an appropriate and useful one for students planning to enter the fields of teaching, public service, museum work, historical preservation and law, as well as those intending to study at the graduate level.

Learning Outcomes for History Majors

Each graduate will:

1. Have a general knowledge of the human past and geographical literacy, including events, ideas, and individuals that have shaped the world through time.
2. Have an understanding of the economic, political, social, cultural, and religious historical forces and the complexity of events that reflect the diversity of human experience.
3. Have specific regional and temporal knowledge of "Western" and "non-Western" cultures.
4. Be competent in locating, evaluating, synthesizing, and analyzing historical evidence from primary sources and/or documents.
5. Be capable of understanding, defending, critiquing, and developing historical interpretations.
6. Successfully communicate, in oral and written form, his or her findings and interpretations, using proper documentations and scholarly conventions.

History Requirements

Required Courses		Credits	Semester
HIS-1111	World History I	3	_____
HIS-1112	World History II	3	_____
HIS-1211	American History I	3	_____
HIS-1212	American History II	3	_____
HIS-4730	Seminar in Historical Communication	3	_____
HIS-4740	Seminar in Historical Investigation	3	_____

Electives

HIS	(8 courses)*	24	_____
3000/4000			

Total **42**

**A minimum of two of these elective courses must be in Third World Civilization/History (Asia, Africa, Latin America, Middle East). Remaining electives may include FRE-2011, FRE-2012, INT-4730, POS-3060 and POS-4010. Recommended complementary courses: two semesters of a foreign language (8 credits).*

Bachelor of Arts in Political Science

The B.A. in political science is designed to develop understanding of the theoretical and practical relationship between political culture and governmental structures at the four traditional levels of political organization—local, state, national and international. Students develop the ability to compare alternative systems and to understand the actual political process at various levels. Writing and research skills are also developed, especially in seminar and independent research courses. Graduates of the program are prepared for graduate and professional study and for positions of responsibility in public and civic organizations.

Learning Outcomes for Political Science Majors

Each graduate will:

1. Have an ability to think critically and to demonstrate that ability through reading comprehension, critical analysis, and oral expression.
2. Understand the theoretical relationship between political structure and governmental structures at the local, state, national, and international levels.
3. Demonstrate writing and research skills in political science, identification of cause and effect relationships, evaluation of various political systems and theories; as well as skill in oral communication in debate, discussion and listening.
4. Be capable of writing papers using analytic skills, research, factual information and personal analysis.
5. Use self-evaluation to enhance the goal of becoming a critical thinker.
6. Have developed a personal assessment and career plan supported by practical internship situations that enhance the student's ability to think critically, work with others, and gain field expertise.

Political Science Requirements

Required Courses		Credits	Semester
POS-1010	Introduction to Political Science	3	_____
POS-1020	American Politics and Government	3	_____
POS-2050	International Economics and Politics	3	_____
POS-2110	State and Local Government	3	_____
POS-3010	Survey of Western Political Thought OR		
POS-3040	The Politics of Gender	3	_____
POS-4730	Senior Seminar in Political Science	3	_____
Electives			
POS 1000/2000 (2 courses)		6	_____
POS 3000/4000 (5 courses)*		15	_____
Total		39	

* Electives may include HIS-2410, HIS-3165, HIS-3312, HIS-3351, HIS-4010, and INT-4730.

Political science faculty recommend field experience through a semester internship in, for example, the Vermont General Assembly or Legislative Council, state and federal agencies, newspapers and wire services, the U.S. Congress, international organizations, law offices, Legal Aid, interest groups, public affairs foundations, election campaigns, etc. Such experiences have often led directly to career opportunities in these fields. Internships enable students to meet many of the decision makers in state government and are particularly valuable when integrated with seminars in political science.

Licensure in Social Studies (7-12)

Students interested in obtaining licensure in social studies must submit passing scores on Praxis I and II, complete the B.A. degree in either history or political science and the following licensure-specific courses:

Required Licensure-Specific Courses		Credits	Semester
EDU-2110	Introduction to Exceptional Populations	3	_____
EDU-2170	Adolescent Development	3	_____
EDU-2320	Engaged in Creative Teaching and Learning	3	_____
EDU-3020	Educational Psychology	3	_____
EDU-3210	Secondary Education Methods: General	2	_____
EDU-3230	Secondary Education Methods: Social Studies	1	_____
EDU-3240	Literacy Development in the Content Areas	3	_____
EDU-4272	Secondary Education Methods II: The Practice of Curriculum, Instruction, and Assessment	3	_____
EDU-4850	Secondary Education Student Teaching`	12	_____
ENV-1110	Introduction to Environmental Problems	3	_____
HIS-3165	Vermont History	3	_____

Required Licensure-Specific Courses (cont.)	Credits	Semester
Choose one 3-credit course in ANT, SOC, or HUM that explores cultural traditions around the world (<i>i.e.</i> ANT-1010/3020/3110/4010, HIS-3040, HUM-2040/3120/3120/3130/3140, <i>etc.</i>).	3	_____
Total	42	

* Students must earn a B- or better in all of the above courses.

*Please see other important licensure requirements on page 55 for more information.

Associate of Arts in General Studies

This two-year program exposes students to a range of disciplines and provides a sound educational base for future studies at the bachelor's or professional level.

Required Courses

Sixty credits are needed for the degree. Students in the Associate of Arts (A.A.) in General Studies program must complete the Fundamental Skills and Disciplinary Exploration (taking one course from each of the seven sub-categories) components of the General Education Core Curriculum. The remaining credits are electives chosen from 1000- and 2000-level courses in consultation with an advisor.

Humanities Minors

French Minor

The minor in French consists of a minimum of 18 credits in French, at least six of which must be at the 3000-4000 level. Courses taken to satisfy the minor must not be required or be electives within a student's major course of study. The French minor may be gained while pursuing studies in Quebec through the New England-Quebec Program. Students may also satisfy requirements for the minor by taking upper-level independent study courses (FRE-4910) or FRE-3010, "Culture and Civilization through Correspondence and Conversation."

History Minor

The history minor is appropriate for students pursuing careers in teaching, public service, museum work, historic preservation, law and many other fields, as well as those planning graduate study in politics, history, English, anthropology and sociology.

Required Courses	Credits	Semester
HIS-1111 World History I	3	_____
HIS-1112 World History II	3	_____
HIS-1211 American History I	3	_____
HIS-1212 American History II	3	_____

Electives

HIS ---	Upper-level European History	3	_____
HIS ---	Upper-level American History	3	_____
HIS ---	Upper-level history: Africa, Asia, Latin America, or the Middle East	3	_____

Total **21**

Political Science Minor

Required Courses		Credits	Semester
POS-1010	Introduction to Political Science	3	_____
POS-1020	American Politics and Government	3	_____
POS-2050	International Economics and Politics	3	_____
POS-2110	State and Local Government	3	_____
POS-3010	Survey of Western Political Thought OR		
POS-3040	The Politics of Gender	3	_____

Electives

POS 3000/4000 (2 courses)	6	_____
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Total **21**

Pre-law Minor

Required Courses		Credits	Semester
PHI-1040	Introduction to Ethics	3	_____
POS-1020	American Politics and Government OR		
POS-1010	Introduction to Political Science	3	_____
POS-2050	International Economics and Politics OR		
POS-3010	Survey of Western Political Thought	3	_____
POS-2110	State and Local Government	3	_____
POS-3170	United States Constitutional Law	3	_____

Electives

HUM 3000/4000 (2 courses)	6	_____
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Total **21**

Spanish

The minor in Spanish consists of a minimum of 18 credits in Spanish, at least six of which must be at the 3000-4000 level. Students can access those upper-level courses by participating in a semester abroad through JSC's affiliation with the National Student Exchange program. Courses may also be taken through JSC's affiliation with Castleton State College (VIT). Courses taken to satisfy the minor must not be required or be electives within a student's major course of study.

The Department of Humanities offers courses with the following designators: FRE (French), HIS (history), HUM (humanities), INT (interdisciplinary), PHI (philosophy), POS (political science), and SPA (Spanish). See full course descriptions on page 114.

Department of Mathematics

Degree Programs

Mathematics (B.S.)

Minor

Mathematics

Licensure Program

Mathematics (7-12)

Faculty / Staff

Glenn Spoul, *Professor*

Christopher Aubuchon, *Associate Professor*

Julie Theoret, *Associate Professor*

Susan Mann, *Administrative Assistant*

Bachelor of Science in Mathematics

The B.S. in mathematics provides students with an opportunity to study one of western civilization's oldest and richest disciplines. In addition to the intrinsic value of the study of mathematics as a liberal art, the mathematics degree provides the foundation for a variety of careers in business, scientific, and related fields. Students desiring preparation for a high school teaching career may also earn secondary mathematics teaching licensure.

Learning Outcomes for Mathematics Majors

The mathematics program aims to produce graduates who are knowledgeable and skillful users and communicators of mathematics. More specifically, the degree program seeks to produce graduates who:

1. Are familiar with many of the common themes in contemporary mathematics;
2. Can execute the associated algorithmic and logical procedures accurately, recognizing when they are appropriate, while making effective use of technological aids as necessary;
3. Can explain the main ideas of mathematics clearly, in writing and orally;
4. Have significant experience applying some of the central concepts of mathematics to extended, non-routine problems;
5. Have significant experience with the kinds of reasoning that support higher mathematics; and
6. Have developed the ability to read mathematics independently.

Mathematics Requirements

Required Courses

		Credits	Semester
MAT-1531	Calculus I	4	_____
MAT-2030	Probability and Statistics	3	_____
MAT-2140	Modeling the Environment	3	_____
MAT-2532	Calculus II	4	_____
MAT-3210	Linear Algebra	3	_____

Students must take a core assessment examination upon completion of the core requirements.

Elective Courses (at least 15 credits)

MAT-2533	Calculus III	4	_____
MAT-3240	Probability Theory with Statistics	3	_____
MAT-3310	Differential Equations	3	_____
MAT-4130	Abstract Algebra*	3	_____
MAT-4140	Geometry*	3	_____
MAT-4710	Special Topics in Mathematics	3	_____

Capstone Requirement:

MAT-4930	Senior Project	3	_____
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Total **35**

Students must earn a grade of C or better in each of the required core courses and in each of the elective courses used to satisfy their degree program requirements.

Note: *Students in the math major are required to take PHY-1014, Physics I, as part of their General Education Core Curriculum science requirement, and to take INT-3150, Gödel, Escher, Bach: An Eternal Golden Braid, as one of their General Education Core Curriculum interdisciplinary courses. It is also recommended that students take a course in economics.*

**At least one of these is required for Secondary Licensure.*

Licensure in Mathematics (7-12)

Students desiring teacher licensure in mathematics must submit passing scores on Praxis I and II, complete the B.S. degree in mathematics, with no core courses or electives below a C grade, and the following licensure-specific courses:

Required Licensure-Specific Courses		Credits	Semester
EDU-2110	Introduction to Exceptional Populations	3	_____
EDU-2170	Adolescent Development	3	_____
EDU-2320	Engaged in Creative Teaching and Learning	3	_____
EDU-3020	Educational Psychology	3	_____
EDU-3240	Literacy Development in the Content Areas	3	_____
EDU-4272	Secondary Education Methods II: The Practice of Curriculum, Instruction, and Assessment	3	_____
EDU-4850	Secondary Education Student Teaching	12	_____
MAT-3030	Mathematics Methods for Secondary School Teachers	4	_____
MAT-4140	Geometry OR		
MAT-4130	Abstract Algebra	3	_____
Total		37	

** Students must earn a B- or better in all of the above courses.*

**Please see licensure requirements on page 55 for other important information.*

Mathematics Minor

Students desiring a minor in mathematics must complete the following requirements:

Required Courses		Credits	Semester
MAT-1531	Calculus I	4	_____
MAT-2030	Probability and Statistics	3	_____
MAT-2140	Modeling the Environment	3	_____
MAT-2532	Calculus II	4	_____
MAT-3210	Linear Algebra	3	_____

Elective

One course: either MAT-2533 or any mathematics course at the 3000/4000 level, with the exception of MAT-3030 noted below.

Total **20**

Students must earn a grade of C or better in all courses for the minor in mathematics.

Note: MAT-3030 may not be included for credit toward the major or minor in mathematics.

The Department of Mathematics offers courses with the following designator: MAT (mathematics). See full course descriptions on page 114.

Department of Writing & Literature

Degree Programs

Creative Writing (B.F.A.)

English (B.A.)

Journalism (B.A.)

Minors

Creative Writing

Journalism

Literature

Licensure Programs

English (7-12)

Faculty / Staff

Andrea Perham, *Professor*

Daniel Towner, *Professor*

Elizabeth Powell, *Assistant Professor*

Tyrone Shaw, *Assistant Professor*

Sharon Twigg, *Assistant Professor*

Jacob White, *Visiting Assistant Professor*

Sandra Noyes, *Staff Assistant*

Bachelor of Fine Arts in Creative Writing

In this program, aspiring writers learn the craft of fiction, poetry, and prose nonfiction in literature courses and in writing workshops. Small classes and individualized instruction are key features of this student-centered program. A student and professional reading series and internships with the department's nationally recognized literary magazine, *Green Mountains Review*, complement the academic course work.

Learning Outcomes for Creative Writing Majors

The BFA in creative writing will:

1. Enable students to produce their own poetry, fiction, and creative nonfiction and to become proficient readers and interpreters of imaginative literature.
2. Enable students to identify the major genres of literature, to recognize the features of each genre, and to explore and evaluate different approaches to literary criticism and interpretation.
3. Develop students' abilities to analyze and explicate literary texts so that they can identify themes and ideas as well as recognize how formal literary devices affect meaning.
4. Develop students' skills in editing and revising so that they will be prepared for graduate school in creative writing and/or for careers in publishing.

Creative Writing Requirements

Required Courses		Credits	Semester
Writing workshops			
ENG-2101	Creative Writing	3	_____
ENG 3 ---	Three upper-level workshops: poetry, fiction or creative essay	9	_____
Literature electives			
ENG 2---	Literature surveys (4 courses)	12	_____
ENG 3---/4---	Literature courses (3 courses)	9	_____

Upper-level course work:

Select two of the following:

ENG-4110	The Form and Theory of Fiction	3	_____
ENG-4120	The Form and Theory of Poetry	3	_____
ENG-4130	The Form and Theory of Nonfiction	3	_____
ENG-4150	Literary Criticism and Theory	3	_____

Thesis

ENG-4920	Senior Thesis (creative project in genre of specialization)	3	_____
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Total **42**

Bachelor of Arts in English

Students in this program explore literature and language from critical, aesthetic, historical, linguistic, and national perspectives. Opportunities to study creative writing and journalism are also components of the program.

Learning Outcomes for English Majors

The B.A. in English will:

1. Enable students to identify the major genres of literature, to recognize the features of each genre, and to explore and evaluate different approaches to literary criticism and interpretation.
2. Introduce students to English, American, and world literary traditions so that they will learn how literature both reflects and shapes intellectual, aesthetic, and cultural life.
3. Develop students' abilities to analyze and explicate literary texts so that they can identify themes and ideas and learn how formal literary devices affect meaning.
4. Prepare students for graduate study, for teaching secondary school English, and for careers in the private sector or in government that require critical thinking and reading skills as well as skills in research and discourse analysis.

English Requirements

Required Courses	Credits	Semester
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Introductory survey courses (select 4)

ENG-1310	Introduction to Literature	3	_____
ENG-2171	World Literature I	3	_____
ENG-2172	World Literature II	3	_____
ENG-2281	Survey of English Literature I	3	_____
ENG-2282	Survey of English Literature II	3	_____
ENG-2321	Survey of American Literature I	3	_____
ENG-2322	Survey of American Literature II	3	_____
ENG-2510	Women and Literature	3	_____

Writing courses (2 required)

ENG 2---/3---	Options are available in both journalism and creative writing	6	_____
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Upper-level specialty courses in literature, language, and criticism

ENG 3---/4---	Literature and language electives	12	_____
ENG-4720	Seminar in Literature	3	_____
THA-3010	Shakespeare: "On the Stage and on the Page"	3	_____

Select one of the following:

ENG-4110	The Form and Theory of Fiction	3	_____
ENG-4120	The Form and Theory of Poetry	3	_____
ENG-4130	The Form and Theory of Nonfiction	3	_____
ENG-4150	Literary Criticism and Theory	3	_____
ENG-4920	Senior Thesis (optional)	3	_____

Total**39 (42 with thesis)****Licensure in English (7-12)**

Students who would like to earn a secondary school teaching license in English must submit passing scores on Praxis I and II, complete either the B.A. in English or the B.F.A. in creative writing, and the following licensure-specific courses:

Required Licensure-Specific Courses		Credits	Semester
EDU-2110	Introduction to Exceptional Populations	3	_____
EDU-2170	Adolescent Development	3	_____
EDU-2320	Engaged in Creative Teaching and Learning	3	_____
EDU-3020	Educational Psychology	3	_____
EDU-3210	Secondary Education Methods: General	2	_____
EDU-3220	Secondary Education Methods: English	1	_____
EDU-3240	Literacy Development in the Content Areas	3	_____
EDU-4272	Secondary Education Methods II: The Practice of Curriculum, Instruction, and Assessment	3	_____
EDU-4850	Secondary Education Student Teaching	12	_____
ENG-1070	Effective Speaking	3	_____
ENG-3680	Linguistics and Language History	3	_____
Total		39	

**Students must earn a B- or better in all of the above courses.*

***Please see other important licensure requirements on page 55 for more information.*

Bachelor of Arts in Journalism

This program prepares students for the realities of a career in print journalism. Course requirements center journalism in the liberal arts and provide students with a strong, practical background in feature writing, investigative reporting, creative nonfiction, media technology, and the ethics and history of journalism as a profession. In addition to courses specific to journalism, students will also develop a reporting specialization in a content area of their own choosing, through cross-disciplinary coursework and a capstone reporting internship at an area newspaper or news outlet.

Learning Outcomes for Journalism Majors

The B.A. in journalism will:

1. Enable students to employ the best journalistic procedures and practices so that they will be able to write in a variety of styles – including hard news, reportage, editorials, features, profiles and reviews.
2. Acquaint students with current newspaper layout and production techniques and train them to line- and copy-edit for accuracy, clarity, concision, and style.
3. Enable students to understand and apply basic ethical principles to their work in journalism and to properly understand the role, rights, and responsibilities of a free press in a democratic society.
4. Enable students to gain entry-level positions and to function successfully in the professional environment of a daily or weekly publication.

Journalism Requirements

Required Courses		Credits	Semester
ENG-2051	Introduction to Newswriting	3	_____
ENG-2052	Newspaper Publishing: Writing, Editing, Layout, and Design	3	_____
ENG-3020	Feature Writing	3	_____
ENG-3022	Advanced Newspaper Publishing: Writing, Editing, Layout, and Design (repeatable for credit)	6	_____

Background Courses: (9 credits)

ENG-2282	Survey of English Literature II	3	_____
ENG-2322	Survey of American Literature II	3	_____
SOC-3130	Mass Media and Society	3	_____

Upper-level Electives: (9 credits)

ENG-3140	The Creative Essay	3	_____
ENG-4160	Investigative Journalism	3	_____
ENG-4130	The Form and Theory of Nonfiction	3	_____
CIS- 2220	Website Design	3	_____

Photojournalism: variable credits (workshop format, independent study credit)

Desktop Publishing: variable credits (workshop format, independent study credit)

Cross-Disciplinary Reporting Focus: (9 Credits)

Students will choose one of the following areas in which to specialize: literature and fine and performing arts, environmental and health sciences, humanities, behavioral sciences and

education, photojournalism and media technology, business/economics. Students will consult with their academic advisor and with the department chair in the chosen subject area to devise their nine-credit reporting focus.

Capstone Courses: (6 credits)

ENG-4010	Issues in Journalism	3	_____
ENG-4810	Internship (designed, if possible, to tap into student's reporting focus)	3	_____
Total		48	

Required Courses in Part II of the GECC for Journalism Majors

HIS-1212	American History II OR		
POS-1020	American Politics and Government	3	_____

Writing & Literature Minors

Creative Writing Minor

Required Courses	Credits	Semester
One (1) introductory-level creative writing course (i.e. ENG-2101)	3	_____
Two (2) upper-level writing workshops (poetry, fiction, or nonfiction) <i>(i.e., ENG-3120, ENG-3130, ENG-3140)</i>	6	_____
One (1) form & theory course (poetry, fiction, or nonfiction) <i>(i.e., ENG-4110, ENG-4120, or ENG-4130)</i>	3	_____
Three (3) lower-level literature survey courses (from a variety of 2000-level literature courses)	9	_____
One (1) upper-level literature course (from a variety of 3000- and 4000-level literature courses)	3	_____
Total	24	

Journalism Minor

Required Courses	Credits	Semester	
ENG-2051	Introduction to Newswriting	3	_____
ENG-2052	Introduction to Newspaper Editing	3	_____
ENG-3020	Feature Writing	3	_____
ENG-3022	Advanced News Editing OR		
ENG-4810	Internship	3	_____
ENG-4010	Issues in Journalism	3	_____
ENG-4130	The Form and Theory of Nonfiction	3	_____
Total	18		

Literature Minor

Required Courses		Credits	Semester
Four introductory surveys selected from the following: (12 credits)			
ENG-2171	World Literature I	3	_____
ENG-2172	World Literature II	3	_____
ENG-2281	Survey of English Literature I	3	_____
ENG-2282	Survey of English Literature II	3	_____
ENG-2321	Survey of American Literature I	3	_____
ENG-2322	Survey of American Literature II	3	_____
Three specialty courses in particular genres, periods, themes, or authors			
ENG 3---/4---	Upper-level electives	9	_____
Total		21	

*The Writing and Literature Department offers courses with the following designators:
ENG (English). See complete course descriptions on page 114.*

Interdepartmental Programs

Degree Programs

Liberal Arts (B.A.)

Professional Studies (B.A.)

Minors

Gender Studies

Liberal Arts Program Committee

David Cavanagh, *Co-Director of EDP*

Sara Kinerson, *Director of Advising and Career Center*

Regina Ritscher, *Assistant Professor, Education*

Clyde Stats, *Fine and Performing Arts Faculty, Assistant Director of Academic Support Services*

Julie Theoret, *Associate Professor, Mathematics*

EDP Academic Review Board

Amy Beattie, *Coordinator of Online Learning and Services*

James Black, *Professor of Business/Economics*

David Cavanagh, *Co-Director of EDP*

Donald DeVoil, *EDP Advisor*

Valerie Edwards, *Co-Director of EDP*

Kathi Rousselle, *EDP Advisor and CCV/EDP Liaison*

Bachelor of Arts in Liberal Arts

The liberal arts major seeks to give students the tools to explore and understand connections and patterns: within and among disciplines; between self and the world; among different cultures. It seeks to give students knowledge of how great thinkers in various fields have sought to understand experience and use their learning to address problems and engage fully with life.

Learning Outcomes for Liberal Arts

Learning Objective	Evidence of Attainment
Plan ways to explore connections by developing an ambitious, interdisciplinary program of study that is in keeping with personal goals	Plan of Study narrative; Plan of Study with its distribution requirement of three related domains (18 cr., 12 cr., 9 cr.)
Articulate connections and patterns within and across disciplines	Plan of Study narrative; capstone major project.
Demonstrate a depth of understanding in the connected domains of study.	Completion of capstone course, capstone project, and 21 credit upper-level requirement.
Bring to fruition a major project that demonstrates knowledge, connections, and synthesis of material in the chosen domains of study.	Capstone major project.
Experience and articulate connections between learning in the major and life outside the classroom.	Extended Classroom Experience and reflection paper.

Requirements

Total of 42 credits, at least 21 of which must be upper-division, as follows:

- 18 credits in a primary domain;
- 12 credits in a secondary supporting domain;
- 9 credits in a third domain; and
- 3 credits for a capstone or Senior Seminar course.*

In addition:

- An extended classroom experience, which may be credit or non-credit bearing, must be completed through an existing course, internship, student teaching, or service-learning experience.
- At least 12 of the 42 credits required within the Liberal Arts major must be taken in the semester(s) after the Plan of Study has been approved.

Additional Stipulations

* *Capstone: Subject to the advisor's approval, the capstone course may be:*

1. An existing Senior Seminar course in a discipline reflecting the student's focus, preferably within the 18-credit domain, possibly the 12-credit domain; if no appropriate Senior Seminar exists, then
2. An appropriate existing upper-level course, preferably from within the 18-credit domain, possibly from the 12-credit domain; if no appropriate existing course exists, then
3. An appropriate independent study, with choice of topic and faculty mentor to be approved by the Liberal Arts Program Committee (LAPC) members.

Whatever the choice of capstone course, the outcome of the experience should in some way reflect and demonstrate the synthesis of domains described in the student's initial degree proposal.

* *Education majors seeking licensure who are using liberal arts as their second major will need to choose their primary and secondary domains in a fashion that meets state licensure requirements.*

* *A grade of C- or higher must be earned in all courses counted toward the 42 credits for the major.*

* *A maximum of 6 credits in the major can be used to fulfill the General Education Core Curriculum or the External Degree Program General Education requirements.*

* *In general, courses such as Student Teaching in Education, which are specifically aimed at career preparation, are not appropriate for inclusion in the 42 credits for the Liberal Arts degree.*

Becoming a Liberal Arts Major

A student interested in becoming a liberal arts major on campus will first contact the Liberal Arts Program Committee (LAPC) and be assigned an advisor on the LAPC. In the case of the External Degree Program (EDP), the student will be assigned an advisor in his or her community upon entering EDP. The student and advisor will initially explore together the student's interests and identify relationships between different disciplines or clusters of disciplines which the student would like to explore more deeply. With the advisor's assistance and support, the student will write a program proposal that describes in detail the relationships between two or more domains of study which the student wishes to pursue. Members of the LAPC, who may recommend clarifications or changes, will review the written program proposal, together with the student's transcript and a completed Plan of Study. Once the program proposal has been approved, the student is officially a liberal arts major. The advisor and/or other members of the LAPC or EDP staff will continue to work with the student during her/his progress toward a degree.

Bachelor of Arts in Professional Studies

The B.A. in Professional Studies is available only to students in the External Degree Program. This major offers adult learners the option of designing a plan of study to pursue a special career or other interest not available through JSC's other majors. It also allows EDP students, who may have college credits from a number of institutions and life experience, to weave together the threads of their prior learning into a coherent degree program. Students are asked to declare and explore an area of special emphasis while meeting the EDP general education and other requirements for a bachelor's degree.

Requirements

- At least 60 credits required before entrance into EDP and the major.
- Completion of the EDP's general education program on page 12
- During the student's first semester, development and submission of a degree plan, including a narrative, that declares a focus of study and demonstrates integration of prior learning and proposed courses.
- Successful completion of the coursework in the degree plan and other requirements for earning a bachelor's degree through the EDP.

Note: It is not possible to do a minor along with the major in professional studies unless the credits for the minor are in addition to the 120 credits required for a bachelor's degree.

Learning Outcomes for Professional Studies Majors

All graduating students will be able to:

1. Plan an individualized program to pursue a special career or other interest not available through other JSC degrees.
2. Plan and carry out a program that brings coherence to the student's college experience and/or learning through life experience.
3. Develop and demonstrate bachelor's-level knowledge in at least one stated field of interest, including understanding of the history, language, and dominant methodologies of the field.
4. Demonstrate understanding of some key connections among disciplines in relation to the stated field of interest.
5. Demonstrate understanding of the connections between theoretical learning and practical experience in relation to the stated field of interest.

Interdepartmental Minors

Gender Studies Minor

The gender studies minor combines courses in various departments in order to consider the issue of gender from different perspectives. It is designed to engage men and women students in a wide-ranging level of inquiry that combines historical and contemporary analysis of issues and problems.

Required Courses		Credits	Semester
POS-3040	The Politics of Gender	3	_____
SOC-3050	Gender and Society	3	_____
Electives (Select 4 courses):			
ENG-2510	Women and Literature	3	_____
HIS-2210	Women in U.S. History	3	_____
HIS-3450	Women in European History	3	_____
POS-3030	Contemporary Political Theory: Race, Class & Gender	3	_____
SOC-2040	Race/Ethnicity/Class and Gender	3	_____
SOC-3060	Sexuality and Intimacy	3	_____
SOC-3170	Power, Politics, and Inequality	3	_____
Total		18	

External Degree Program

Johnson State's External Degree Program (EDP) serves adult students throughout Vermont who have already completed 60 or more credits of acceptable college-level work. Each student works closely with an advisor who has an office at the student's local Community College of Vermont site or on campus at JSC. The advisor helps the student develop and carry out a plan to earn the remainder of the credits needed for a B.A. degree. A minimum of 30 credits must be earned while in the program.

Students can take courses in a variety of formats and at various locations, including: JSC courses held on Saturdays or Sundays once a month throughout Vermont, online courses, courses on campus at Johnson State, and courses at other colleges.

The following degrees are available through the External Degree Program:

- B.A. in business management
- B.A. in elementary education (with licensure)
- B.A. in liberal arts
- B.A. in professional studies
- B.A. in psychology

Two of the majors, B.A. in business management and B.A. in professional studies, are available entirely online as well as in the classroom or through a combination of online and classroom-based courses. More than half, but not all, of the courses for the B.A. in liberal arts and the B.A. in psychology, are available online.

Other Johnson State degrees are also available through the External Degree Program for students who are able to take some courses on campus at Johnson State College. Students interested in these degree programs must submit a degree plan along with their application to the College. Post-baccalaureate and secondary teaching licensure are also available through the External Degree Program.

For information on requirements in the major, general education, and other degree requirements for students completing a bachelor's degree through the EDP, refer to the table of contents or the index for appropriate sections in this catalog.

Course Descriptions

Courses listed as "Shared" are also offered at one or more of the Vermont State Colleges.

Accounting Courses (ACC)

ACC-2121 Financial Accounting **4 credits**

Prerequisite: Basic Math Comp.

Introduces students to the problems of external reporting as they relate to sole proprietorships, partnerships, and corporations. Students examine the various accounts found in financial statements and learn how to put these accounts together to render meaningful statements that communicate pertinent information to those who read them. (Shared course in VSC)

ACC-2122 Managerial Accounting **4 credits**

Prerequisite: ACC-2121.

The course explores internal accounting systems and the uses of internally generated data in management. Topics include: the use of financial accounting data, cost-volume-profit analysis, budgets and responsibility accounting, and cost allocations. (Shared course in VSC)

ACC-2230 Federal Taxes **3 credits**

Prerequisite: ACC-2121 or ACC-2122, with C- or better.

A study of federal tax laws and regulations as contained in the Internal Revenue Code, with the emphasis on individuals and sole proprietorships. Topics include income inclusions and exclusions, deductions, capital gains and losses, sales and exchanges, basis calculations, depreciable property, tax research, tax planning, and the preparation of the various tax forms and schedules applicable to an individual or a small business. (Shared course in VSC)

ACC-2710 Special Topics in Accounting

3 credits

(Shared course in VSC)

ACC-2910/4910 Independent Study in Accounting

1-12 credits

ACC-3011 Intermediate Accounting I **3 credits**

Prerequisite: ACC-2121 or ACC-2122.

This course provides an extensive study of generally accepted accounting principles as applied to the recording and reporting of asset, liability, and equity accounts, the financial statements, and the required disclosures. Computer applications, case studies, and problem solving are integral parts of this course. (Shared course in VSC)

ACC-3030 Business Accounting Systems

3 credits

Prerequisite: None.

A study of the major accounting subsystems prevalent in small and medium sized businesses. Emphasis will be placed on the architecture and integration of these subsystems within the business environment. Management and control of the various subsystems will be a major emphasis in this course.

Allied Health Sciences Courses (AHS)

AHS-1010 Contemporary Health Issues

3 credits

Prerequisite: None.

Examines the concept of health and the role and responsibility of individuals for their health. Emphasizes wellness and health promotion and their relationship to the quality of life. (Shared course in VSC)

AHS-1030 FYS: The Spoils of War: Art, War, and Ethics
3 credits

Prerequisite: Open to freshmen only.
This course is designed to explore how museums, galleries, and collectors acquire and display art. We will read articles and case law that deal with these issues of collecting and display. We will explore the question of how, if at all, do the means of acquiring art works impact their exhibition. Reading subjects will range from Napoleon, World War II, Native American Graves Protection and Repatriation Act, King Leopold and the Congo, Nigeria, Egypt, Angkor Wat, and Iraq. *Meets First-Year Seminar course requirement of the GECC.*

AHS-1080 Lifetime Fitness
1 credit

Prerequisite: None.
A study of the theory of wellness concepts. Topics include: wellness, physical fitness, nutrition, diet and weight control, stress management and lifestyle diseases. The impact of a wellness-promoting lifestyle is examined. Students enhance theory knowledge of wellness concepts through laboratory sessions. (Shared course in VSC)

AHS-1330 FYS: Being Here on Purpose
3 credits

Prerequisite: Open to freshmen only.
Using formal and informal mindfulness techniques, students are taught to stand back from their emotions, assumptions, and expectations about the first-year college experience and learn the joy of simply being open to oneself and to the moment-to-moment experiences of what happens next. The course has papers and required readings and a home practice component where students learn to habituate the practice of mindfulness in their daily lives. *Meets First-Year Seminar course requirement of the GECC.*

AHS-2010 Mindfulness Meditation
3 credits

Prerequisite: PSY-1010. Not open to first-year students.

Students are taught fundamentals of mindfulness meditation skills designed to mobilize mind/body energies for balancing and complementing personal health and spiritual wellness. Journal writing, outside readings, home practice, and 24-hour off-campus retreat highlight the course experience.

AHS-2040 Advanced First Aid and Emergency Care
4 credits (with lab)

Prerequisite: BIO-1210. Not open to first-year students.

This course provides the student with the knowledge and skills to function effectively in a medical emergency situation. This course consists of both lecture and laboratory experiences, and Red Cross Advanced First Aid Certification is possible.

AHS-2130 Programs for Lifetime Health and Fitness
3 credits

Prerequisite: BIO-2012.
In this course, the student will learn how to develop and administer programs designed to raise fitness /wellness level of individuals at home, in fitness clubs and in the workplace. Contra-indications for exercise for specific populations are discussed.

AHS-2810/4810 Internship in Allied Health Science
1-12 credits
(Shared Course in VSC)

AHS-2910/4910 Independent Study in Allied Health Science
1-12 credits

AHS-3010 Therapeutic Massage
3 credits

Prerequisite: Not open to first-year students.
This course is an opportunity for students to train intensively in therapeutic massage. Primarily for students concentrating in health science and the behavioral sciences, this course is meant to assist students in learning about therapeutic massage as an acceptable form of treatment for stress and

decreasing muscle tension and increasing mind-body comfort.

AHS-3043 Care and Prevention of Athletic Injuries

4 credits

Prerequisite: BIO-2011 and BIO-2012

This course is an introduction to the prevention, evaluation, and treatment of athletic-related injuries. It is an overview of the field of athletic training to include the evaluation of injuries, emergency medical procedures, prevention and treatment methods for musculoskeletal injuries, and heat illness. The laboratory practicum involves the application of preventative, assessment, supportive, and rehabilitative techniques to injury management.

AHS-3050 Introduction to Pharmacology

3 credits

Prerequisite: BIO-2011, BIO-2012 and CHE-1031

The course presents an introduction to the fundamental principles of basic and clinical pharmacology at the molecular, cellular, organ, and whole body levels. It will cover the biochemical and physiological bases for drug actions and effects, therapeutic uses and adverse reactions. Drug classifications, methods of administration, and alternative therapies will be discussed.

AHS-3110 Health and Healing: The Mind/Body Connection

3 credits

(available through EDP)

Prerequisite: PSY-1010, BIO-2011 and 2012, or permission of instructor.

Scientists and researchers of holistic medicine have gained convincing evidence to support the view that illness is not caused only by external factors such as viruses, but also by internal factors such as emotions and the individual's state of mind. This course will focus on the psychology of wellness and illness, in addition to healing connections among the body, mind and spirit.

AHS-3120 Kinesiology

3 credits

Prerequisite: BIO-2011.

This course is designed to give students a practical approach to the study of human body movement from anatomical, physiological, mechanical, analytical, and functional viewpoints. (Shared course in VSC)

AHS-3230 Physiology of Exercise

4 credits

Prerequisite: BIO-2011 and 2012.

This course examines the acute and chronic physiological adaptations of the human body to physical activity.

AHS-4030 Psychology of Sports and Exercise

3 credits

Prerequisite: PSY-1010.

This course explores the theories and principles of psychology and their relationship to performance in physical education and athletics and recovery from athletic injury.

AHS-4060 Cardiopulmonary Assessment, Rehabilitation, and Training

3 credits

Prerequisite: BIO-2012.

This course introduces the student to the magnitude of the problem caused by cardiopulmonary disease. Basic evaluation procedures, such as EKG interpretation, stress testing and pulmonary function tests, will be introduced. In addition, exercise prescription and supervision of cardiopulmonary rehabilitation programs will be discussed.

AHS-4110 Psychophysiology of Stress

3 credits

Prerequisite: PSY-1010.

This course is designed for senior students in health and behavioral sciences as well as graduate students. It will provide the learner with the theoretical information about the clinical application of biofeedback across the disciplines of

psychology, physiology, education and medical science.

AHS-4911 Senior Research

3 credits

Prerequisite: Senior Standing.

This course requires students to conduct an individual research project, conduct an oral presentation, and complete a thesis on the research, which might result in publication of the project. This capstone course allows the student to combine the skills and knowledge gleaned from previous courses with a self-designed research project that requires the student to ask a good question, develop appropriate techniques, and conduct appropriate research. The research topic is to be chosen by the student in consultation with a faculty mentor. A thesis outline must be submitted to the supervising faculty member (or members) prior to commencement of research. This type of practical, hands-on experience may be conducted at locations off campus, in conjunction with a work-study project, internships, or on-campus research. The project must be completed within two semesters.

Anthropology Courses (ANT)

ANT-1010 Introduction to Cultural Anthropology

3 credits

Prerequisite: None.

A survey of basic issues, concepts, theories, and methods of cultural anthropology. Students think critically about the evolution of culture and society from the perspective of the past and the present. Topics include social and political organization, gender, myth and religion, language, cultural ecology, and cultural change. *Meets Part II. C. of GECC.* (Shared course in VSC)

ANT-2810/4810 Internship in Anthropology

1-12 credits

ANT-2910/4910 Independent Study in Anthropology **1-12 credits**

ANT-3020 Global Healing, Consciousness and Religion **3 credits**

Prerequisite: None.

While consciousness is a universal characteristic of human beings, it is influenced in a profound manner by the culture of each group. This causes people to experience life as a complex interaction of "alternate realities." Students explore the relationship between culture and alternate realities through topics such as altered states of consciousness, dreams, faith, magic, shamanism, witchcraft, possession and mysticism.

ANT-3040 Culture Change in the Modern World **3 credits**

Prerequisite: None.

This course explores processes of social and cultural change, ranging from gradual modifications during prolonged peaceful periods to sudden revolutionary upheavals. Factors inhibiting and facilitating change are discussed along with such topics as invention, development, social power movements, changing interpersonal relations, the impact of technology, cultural clashes and innovative religions. Included is Visual Anthropology: ethnographic photography, camera culture, and photographic states of consciousness.

ANT-3110 Development of Anthropological Thinking **3 credits**

Prerequisite: ANT-1010 or permission of instructor.

Each society has characteristic ways of regarding itself and other groups. In this course, anthropological points of view help students understand and analyze other cultures and their own. Innovative schools of thought in anthropology and their practical applications through research are emphasized. Also studied are questions

universally asked by different cultures about the nature of humanity and the world.

ANT-3120 Science, Research Methods, and Ethics
3 credits

Prerequisite: None.

Introduces quantitative and qualitative methods useful to sociologists and anthropologists to investigate how people create and sustain culture and society. Some methods included are the survey, field observation, ethnography and content analysis.

ANT-3130 Culture and Personality
3 credits

Prerequisite: None.

An investigation of interaction between the culture of a group and the thoughts, emotions and behavior of its members. Topics include group personality, patterns and types of normal and abnormal behavior, and cultural features of helping relationships. Students learn to observe and analyze human behavior from different perspectives.

ANT-4010 Anthropology of Death
3 credits

Prerequisite: None.

This course studies death from a wide variety of approaches and is designed to help students integrate objective descriptions and analysis with subjective thoughts and feelings. Our orientations toward death are compared with those of other cultures through such issues as terminal illness, experiencing death, prolonging life, and hastening death. Mourning, funerals, life after death and processes of symbolic death and rebirth are also explored.

ANT-4020 Multicultural Studies of Healing
3 credits

Prerequisite: None.

This course provides an understanding of the complex interrelationships between cultural, biological, psychological, and

environmental components of health, disease, illness and medical treatment. Some topics include medical explanatory beliefs, adaptation, stress, illness experiences, healing techniques, patient/practitioner relations, and religion. Western biomedicine and many other medical systems of the world are compared searching for cultural diversity and universals. The variety of cases studied and the perspectives used ranges from the single individual, to diverse groups, to the entire global population. Students apply anthropology and other disciplines to the experience of being sick and to the delivery of health care in many different cultures.

ANT-4720 Senior Seminar in Anthropology/Sociology
3 credits

Prerequisite: Senior Standing.

This capstone course reviews the major concepts, theories and methodologies of anthropology and sociology and offers students leadership, teaching, and volunteer service opportunities to demonstrate their unique knowledge and skills in social situations, in social services and in high schools.

ANT-4730 Topical Seminar in Anthropology
1-3 credits

Prerequisite: None.

This course explores new topics and current developments in the discipline. The seminar emphasizes student research, presentation and discussion and may be repeated for credit.

Art Courses (ART)

ART-1011 Drawing I
3 credits

Prerequisite: None.

An introduction to drawing media, techniques and concepts with emphasis on drawing from observation. *Meets Part II. A.3. of GECC.* (Shared course in VSC)

ART-1140 Design

3 credits

Prerequisite: None.

Students are introduced to a series of conceptual, structural, spatial and relationship "problems" designed to stimulate creative thought and innovative approaches to working in both two and three dimensions. *Meets Part II. A.3. of GECC.*

ART-1180 FYS: Art of Social Imagination - Sculpture in a Public Realm

3 credits

Prerequisite: Open to first-year students only.

This introductory studio art course prepares freshman for an understanding of the tools and techniques of sculpture as well as applications of mixed media in a public realm. Starting as far back as ancient Rome, Art of Social Imagination uses art and art history to explain the theory and practice of public sculpture as it relates to community. Students will view "Interventionists" as people who interact with society to produce thoughtful and imaginative results. In class, students will develop proposals and construct projects that interact with academic, local, personal, and/or interpersonal realms. No prior experience is necessary for this course. The emphasis, here, is on an introduction to art history and hands-on learning. *This is a first-year seminar course and meets the First-Year Seminar requirement of the GECC.*

ART-1231 Ceramics I

3 credits

Prerequisite: None.

An introduction to the ceramic arts which develops the student's working knowledge of ceramic materials, tools and techniques. Students work with issues of concept and design, and develop an understanding and appreciation of traditional, historical and contemporary ceramic objects and issues. Hand building is emphasized. (Shared course in VSC)

ART-2007 FYS: Comix Go Legit:

Contemporary Graphic Novels

3 credits

Prerequisite: First-year students only.

One could argue that cave paintings were the first comics, but this course focuses on the most recent graphic novels, including award winning works by Art Spiegelman, Marjane Satrapi, Chris Ware, Daniel Clowes, Joes Sacco and many more. In addition to reading masterworks, we will study the history of comics and the many uses of comics, including advertising and animation. Students will also design their own comics, and produce a limited edition graphic of their own work. Drawing is only one way to approach this, but not the only way- photographers, writers, collage artists and stick-figure maestros are all welcome. *This is a first-year seminar course and meets the First-Year Seminar requirement of the GECC.*

ART-2110 Introduction to Digital Media

3 credits

Prerequisite: None.

An overview of the digital image tools used in professional image editing, layout and design work, as well as an introduction to the general issues relevant to the handling of images and related art material in the digital context. A series of discussion topics will frame the relationship of digital media to fine art discourse and to specific media within that discourse. *Meets Part II.A.3. of GECC.*

ART-2150 Jewelry and Metalsmithing

3 credits

Prerequisite: None.

Students will develop a working knowledge and sensitivity toward metal as a material, gain a vocabulary of metalsmithing and jewelry techniques, and confront the degrees of excellence, precision and impeccability of craftsmanship in their own work as artists-craftsmen.

ART-2211 Painting I

3 credits

Prerequisite: None.

A presentation of technical and aesthetic aspects of painting that introduce students to the use of various painting media: oil, acrylic, watercolor, oil pastel, soft pastel, etc. A strong foundation in color theory is included, as well as an overview of painting masters, both historic and contemporary. (Shared course in VSC)

ART-2251 Sculpture I

3 credits

Prerequisite: None.

Students are introduced to historic and contemporary sculpture through different theoretical, practical, and conceptual approaches utilizing a variety of media. *Meets Part II.A.3. of GECC.* (Shared course in VSC)

ART-2301 Photography I

3 credits

Prerequisite: None.

An introduction to the fundamentals of 35mm black and white photography, including darkroom techniques, and the history and aesthetics of photography. A 35mm camera with adjustable f-stops and shutter speeds is required. *Meets Part II.A.3. of GECC.* (Shared course in VSC)

ART-2410 Introduction to

Printmaking

3 credits

Prerequisite: ART-1011.

This course offers an exploration of the major forms of printmaking through a variety of techniques and media, as well as the history and technology of printmaking. Experimentation and exploration of the print as a vehicle of artistic expression will be emphasized in conjunction with development of technical proficiency.

ART-2810/4810 Internship in Art

1-12 credits

ART-2910/4910 Independent Study in Art

1-12 credits

ART-3031 Life Drawing

3 credits

Prerequisite: ART-1011 or permission of instructor.

The classic figure drawing course, exploring human form and addressing such issues as anatomy, gesture, technique and content. May be repeated for credit.

ART-3032 Advanced Drawing

3 credits

Prerequisite: ART-1011 or permission of the instructor.

Designed for students already familiar with the techniques of traditional drawing materials, this course explores more advanced concepts of image making and a personalized use of materials. Among the topics explored in various sentences are figure drawing, large-scale work, mixed-media, hand-made paper and bookmaking. May be repeated for credit.

ART-3040 Landscape Painting

3 credits

Prerequisite: ART-2211.

This class will explore traditional landscape painting issues of linear and atmospheric perspective, color and its relationship to light and space, and the passage of time and season. Class will work on site in the landscape. Students may work in a variety of media. May be repeated for credit. (Summers only)

ART-3120 Elementary Art Education

Methods

3 credits

Prerequisite: Junior standing.

This course focuses on four issues: 1) how teachers determine what to teach, 2) how they structure content to meet their objectives, 3) how they decide when to teach material, and 4) how they evaluate what they have taught. Students should, by the end of the course, be able to describe their rationale for "teaching" art in any classroom. Required for elementary education students.

ART-3140 Secondary Art Education Methods

3 credits

Prerequisite: Junior standing.

This course is similar to ART-3120, and the emphasis is on grade 7-12 art materials and age levels. Required for secondary education students.

ART-3222 Ceramics II

3 credits

Prerequisite: ART-1231 or permission of the instructor.

This advanced-level course in ceramics encourages the continued exploration of and experimentation with clay as an artistic medium, with emphasis on independent creative research. Students learn basic clay and glaze formulation and kiln operation. May be repeated for credit.

ART-3314 Advanced Printmaking

3 credits

Prerequisite: ART-2410 or permission of the instructor.

Intaglio printmaking is emphasized beginning with the collagraph and advancing through the intaglio processes. The focus is to gain control of these techniques so that the student feels free to experiment. The ability to make art and develop an individual imagery as printing skills develop is stressed. While the student is expected to be able to edition prints, experimentation and pushing the medium and imagery are emphasized over traditional multiples editioning. May be repeated for credit.

ART-3320 Monoprints

3 credits

Prerequisite: ART 1011 or permission of instructor.

Explore this hybrid printmaking technique that combines painting, drawing and printing to create unique printed images. This technique encourages spontaneity and freedom in many directions. Some possibilities include chine colle, collage, drypoint and collagraph. We begin with basic monotype techniques and increase

complexity including multiple plates. May be repeated for credit.

ART-4020 Advanced Digital Media

3 credits

Prerequisite: ART-2110.

This course offers a survey of contemporary digital image processes and tools, including digital photography, illustration, design, 3-D graphics, and video/multimedia. Intended for students who have background in photography and related issues of media arts, this course will focus on the relationship of digital media to established art forms and study possibilities for their integration. The course will also cover contemporary work in technology-influenced art practice and theory. May be repeated for credit.

ART-4040 Advanced Photography

3 credits

Prerequisite: ART-2301 or equivalent expertise, or permission of the instructor.

This course further explores technical, historical and creative issues. Students will generate a strong portfolio through intensive studio work. Other course components may include research projects, field trips to local exhibitions, non-traditional processes, readings in history and criticism, and a public exhibition of completed projects. May be repeated for credit.

ART-4050 Advanced Painting

3 credits

Prerequisite: ART-2211 or permission of the instructor.

This course emphasizes a student's individual vision. Each semester explores different techniques. Several topics are addressed including large-scale works, mixed media, hand-made paints and an examination of painting masters, both historic and contemporary. May be repeated for credit.

ART-4060 Advanced Digital: Graphic Design

3 credits

Prerequisite: ART-2110

This course will explore page layout, graphic design, and digital imaging for print. It is designed for both the intermediate and advanced student who wishes to learn how to make effective print presentations, brochures, and books. The course will focus on contemporary creative and practical concepts of using computers in the visual arts and graphic design, focusing on the basic concepts and terminology associated with typography and page layout.

ART-4070 Advanced Digital: Web Design for Artists

3 credits

Prerequisite: ART-2110 or CIS-2220

This advanced studio art course prepares the artist to use web design creatively for their portfolio and as an interactive art form to present original online work. Students will learn how to plan, organize, and produce a 30-40 page, standards-compliant website from start to finish with Macromedia Dreamweaver using tableless transitional XHTML with Cascading Style Sheets for style positioning. Class time will also be dedicated to an overview of aesthetics and concepts of web design including usability, accessibility, information design, and graphic design.

ART-4110 Visual Art and Performance

3 credits

Prerequisite: ART-2251.

This course is an exploration into the world of performance art. Students will generate, perform and create props and visuals for their performances. Two to four visiting artists will conduct workshops throughout the semester. A trip to Boston or New York will be arranged to see professional work.

ART-4120 B.F.A. Exhibit

3 credits

Students work closely with a mentor chosen from the studio art faculty to prepare and mount their senior thesis exhibition. Students may work in a single medium or combination of media to produce their culminating exhibition in the Julian Scott Memorial Gallery.

ART-4130 Advanced Sculpture

3 credits

Prerequisite: ART-2251 or permission of the instructor.

Students investigate at least three media, which may include plaster, wood, metal, stone or others. Emphasis of study shifts from semester to semester, and concept and material are of equal importance. Students are encouraged to work creatively within the context of the learned technique. Assignments may encompass public art, installations and performance art, among others. May be repeated for credit.

ART-4730 B.F.A. Seminar

3 credits

This professionally oriented "capstone" course looks into all aspects of a career in the visual arts. By the end of the semester, students will have produced a professional portfolio documenting their own work, complete with resume, artist's statement and slides. Students also explore career options, exhibit venues, grant writing, websites, graduate schools, legal considerations for the artist and how to set up a safe, affordable studio.

Art History Courses (ARH)

ARH-2010 Survey of Western Traditions in Art

3 credits

Prerequisite: None.

This course examines the history of Western art as expressed in different medias such as painting, sculpture, and architecture from the prehistoric to the modern era. *Meets Part IIA.3. of GECC.*

ARH-2060 Survey of Non-Western Traditions in Art
3 credits

Prerequisite: None.

This course examines the history of non-Western art as expressed in different mediums such as painting, sculpture, and architecture from the prehistoric to the modern era. *Meets Part II.A.3. of GECC.*

ARH-2910/4910 Independent Study in Art History
1-12 credits

ARH-3015 Greek and Roman Art
3 credits

Prerequisite: ARH-2010 and ART-2060.

The art and architecture of ancient Greece and Rome, from the Aegean through the Late Empire periods.

ARH-3020 Art of the Renaissance
3 credits

Prerequisite: ART-2010 and ART-2060.

This course stresses Italian painting and sculpture, beginning with the 14th-century Tuscan masters and ending with Michelangelo and the early Mannerists. Northern art is considered in terms of its influence on developments in the south.

ARH-3060 Twentieth-Century Art
3 credits

Prerequisite: ARH-2010 and ARH-2060.

The history of twentieth century art covering Impressionism, Fauvism, German Expressionism, Cubism, Futurism, Dada, Suprematism, Constructivism, De Stijl, Surrealism, Abstract Expressionism, Pop Art, Happenings, Minimal Art, New Genre Art and Post-Modern Art.

ARH-3110 The Spiritual in Non-Western Art
3 credits

Prerequisite: None.

This course will examine the rich cultural history of African, Native American, Oceanic and pre-Roman Celtic art. The course will underscore how traditional societies fully integrated art into everyday life and how they imbued it with powerful magical and mystical meanings. How

western artists, collectors and museum officials have used and misused art from "Third World" countries will be carefully illustrated and considered throughout the semester.

ARH-3120 Art Criticism
3 credits

Prerequisite: ARH-2060.

This is a writing-intensive course. This course will expose students to the major critical stances that have shaped art historical thought in the West. Students will analyze the critical stance of Kant, Winckelmann, Marx, Freud, to name a few. This exposure will help students to become more critical readers and writers. Students will be expected to write weekly assignments and critique each other's work.

ARH-3130 The History of Photography
3 credits

Prerequisite: ARH-2010 and ARH-2060.

Surveys the history and aesthetics of nineteenth-and twentieth-century photography. Photographs by masters form the basis for a critical assessment of the medium.

ARH-3140 African Art
3 credits

Prerequisite: ARH 2010 and ARH-2060.

The art from the continent of Africa is one of the most varied in terms of culture, aesthetics, and techniques in the world. The course begins in the northern cultures of the Mediterranean and makes its way down across the Sahara to the West, Central, East, South, and then looks at art of the African Diaspora. In each region, we will examine art from ancient to contemporary, and discuss the changing cultural, political, and social climates. Students will look at sculptures, performance, architecture, adornment, and jewelry.

ARH-3150 Art of the Human Body
3 credits

Prerequisite: ARH-2010 and ARH-2060.

This course examines all art that scrutinizes the human body in some way. The course

covers art from all cultures and all time periods. The art will be both depictions of the human body in art, as well as deal with the human body from a broad variety of venues such as ancient Greek sculpture, Mesoamerican frescoes, Maori tattooing, to the modern-day body artists who practice tattooing, scarification, and other body arts.

ARH-3210 Women in Art **3 credits**

Prerequisite: None.

A survey of representative women artists from the Renaissance to the present, this course introduces students to the unique role of women in the visual arts, their contributions and struggle for recognition. *Meets Part III of the GECC.*

ARH-4720 Seminar in Contemporary Art Issues **3 credits**

Prerequisite: ARH-3060.

The issues treated vary from semester to semester. The class takes an active role in deciding the relevant issues. Past topics have included public funding for "controversial" art, women's issues in art, art vs. craft and "Is it art?" Students develop critical skills and see their own work in the light of the contemporary scene. At least one field trip to a metropolitan center is scheduled to view contemporary art.

Biology Courses (BIO)

BIO-1050 FYS: Pretty or Nasty – The World of Cosmetics **3 credits**

Prerequisite: Open to first-year students only.

The popularity of cosmetics has increased significantly during the 20th century in western societies, particularly in the United States. This course will look at cosmetic usage from its beginning 6009 years ago to the current worldwide \$18-billion industry. As an introduction to our topics, the class will attend a make-up session offered by a representative from a cosmetic company. We then investigate the role of cosmetics in

self-image as a more comprehensive understanding of the influence of a one's social environment (including the media). An introduction to cosmetic chemistry will allow students to evaluate safety and ethical issues. The course concludes with a personal reflection and analysis of cosmetic usage. *This is a first-year seminar course and meets the First-Year Seminar requirement of the GECC.*

BIO-1210 Introduction to Biology **4 credits** (with lab)

Prerequisite: PLM-0003, PLM-0004, or MAT-0410.

An introduction to the study of life, including cells, organisms, ecosystems, and evolution, and the techniques of the biologist. *Meets Part II.B.1. of the GECC.* (Shared course in VSC)

BIO-1211 Introduction to Biology: Ecology & Evolution **4 credits** (with lab)

Prerequisites: None.

In this course students will explore the "process of science" with hands-on field and laboratory experiments. Concepts in the evolutionary history of biological diversity, ecology and the biosphere, and conservation biology will be covered. *Meets Part II.B.1. of the GECC.*

BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life **4 credits** (with lab)

Prerequisites: None.

This course will introduce biology to students through the unifying theme of the "process of science" – what we know, how we know it, and what we don't know yet. The course will cover topics in chemistry of life, cell structure and function, cell reproduction, classical and molecular basis of inheritance, and DNA Technology. *Meets Part II.B.1. of the GECC.*

BIO-1230 Field Ecology
3 credits
(available through EDP)

Prerequisite: None.

This course offers students the opportunity to study the major environments found in the Vermont landscape and to understand the plants and wildlife that make up the fabric of Vermont's ecology. After the weekend of lectures, slides and hands-on work with mammals, birds and vegetation, classes will be held in various field locations throughout central Vermont. This course fulfills an EWR requirement.

BIO-1781 Ecology of Subtropical Ecosystems
3 credits

Prerequisites: Acceptance into Upward Bound Program.

This course introduces ecological structure and function of the major aquatic and terrestrial ecosystems of subtropical Florida. The class begins with an intensive weekend of lectures on the ecological principles that pertain to the ecosystems of south Florida. Another weekend day will be spent evaluating written work and will culminate with an environmental debate. Students, based on their preferences, will be assigned ecosystems for which they will be responsible for leading the class on interpretive tours of the biological, chemical, and physical factors that influence their ecosystems. The class will travel to the Florida Everglades and Keys to explore the variety of subtropical forests, glades, marshes, swamps, and marine communities.

BIO-2011 Human Anatomy & Physiology I
4 credits (with lab)

Prerequisites: None.

An introduction to the structure and function of the human body. Topics include general body organization, cells, tissues, and the anatomy and physiology of the skeletal, muscular, and nervous systems. Laboratory work involves microscopy, dissections, and the study of

human organ models. First semester of a two-semester sequence. (Shared course in the VSC.)

BIO-2012 Human Anatomy & Physiology II

4 credits (with lab)

Prerequisites: BIO-2011

A continuation of BIO-2011. Topics include cellular physiology, and the structures and function of the cardiovascular, endocrine, immune, respiratory, digestive, excretory, and reproductive systems. Laboratory systems practicum involves microscopy, dissections, and the study of human organ models. (Shared course in the VSC.)

BIO-2130 Natural History of the Yellowstone Plateau

3 credits

Prerequisite: Permission of instructor.

This course involves seven days in the back country of Yellowstone National Park, traveling to three remote areas that demonstrate the unique geological and ecological characteristics of the park. Students make their own arrangements to and from Salt Lake City, Utah, where the instructor will meet them. (Summer only)

BIO-2145 Plant Biology

4 credits (with lab)

Prerequisite: One introductory biology course.

An introduction to the study of plant biology including the structure and function of cells and tissues, photosynthesis, and a survey of the plant kingdom with special emphasis on the higher plants.

BIO-2310 Invertebrate and Vertebrate Zoology

4 credits (with lab)

Prerequisite: None. Recommend: BIO-1210 or equivalent.

The study of animal biology including diversity and classification within the two major groups, vertebrates and invertebrates, comparative anatomy and physiology, genetics and development,

evolution, behavior, and ecology. (Shared course in VSC)

BIO-2340 Fundamentals of Ecology

4 credits (with lab)

Prerequisite: BIO-1210 or BIO-1211.

Recommended: One course in chemistry.

The relationships between the organism and its natural environment will be examined. Students will perform outdoor experiments and field studies that complement discussions on population and community ecology.

BIO-2710 Special Topics in Biology

3 credits

BIO-2810/4810 Internship in Biology

1-12 credits

(Shared course in VSC)

BIO-2910/4910 Independent Study in Biology

1-12 credits

BIO-3110 Field Ornithology

3 credits

Prerequisite: None. (Summer Only)

An intensive course in the field identification, behavior, and life histories of local bird species. Students are expected to provide their own binoculars (contact instructor for specifications if you will be purchasing binoculars). (Shared course in VSC)

BIO-3125 Biological Chemistry

3 credits

Prerequisite: BIO-1212, CHE-1032.

This course introduces the student to an integration of biology and chemistry through an overview of the biochemical structure and reactions that occur in living systems. Presentation of the chemical structures of the important classes of biological macromolecules (proteins, carbohydrates, lipids, and nucleic acids) is integrated with their roles in cellular metabolism.

BIO-3130 Cellular Biology: A

Molecular Approach

4 credits (with lab)

Prerequisite: BIO-1212, CHE-1032.

This course is an in-depth study of biological processes at the molecular level with emphasis on the relationship between structure and function of biological macromolecules. Topics include bioenergetics, enzymes, the genetic system, protein synthesis, biological membranes, cellular organization and chemical signaling. In the laboratory, students will be introduced to modern experimental techniques to analyze cellular functions.

BIO-3140 Microbiology

4 credits (with lab)

Prerequisite: One 3-credit, 2000/3000 level BIO course. Recommended: BIO-1212 and CHE-1032.

An introductory exploration of microscopic life and an introduction to the principles and concepts of microbiology. Topics include microbial morphology, physiology, ecology, and evolution, and the connections between microorganisms and the sciences of pathology and immunology. (Shared course in VSC)

BIO-3160 Animal Behavior

4 credits (with lab)

Prerequisite: None. Recommended: BIO-2310.

An exploration of sensory perception, innate behavior, learning, communication, and social behavior in invertebrates and vertebrates, using taxonomy, ecology, and natural selection as frames of reference. (Shared course in VSC)

BIO-3170 Mammalogy

4 credits (with lab)

Prerequisite: BIO-2310.

A detailed treatment of the identification, classification, adaptations, physiology, ecology, distribution and evolution of the world's mammals. In laboratory sessions, students engage in the work of professional mammalogists using museum specimens of mammals from all parts of the world.

BIO-3180 Nutrition

3 credits

Prerequisite: BIO-1210, CHE-1031 and junior or senior standing, or permission of the instructor.

This course is a study of the structure, function, digestion and absorption of nutrients in the human body, with an emphasis on chemistry, current research, and controversies. The topics of food safety, diet analysis and planning, and the relation between nutrition and diseases are included.

BIO-3220 Genetics

4 credits (with lab)

Prerequisite: BIO-1212 and CHE-1032.

A review and investigation of the principles of inheritance, including the topics of molecular, Mendelian, population, and human genetics. Current research and controversies will be emphasized. (Shared course in VSC)

BIO-3260 Limnology

4 credits (with lab)

Prerequisite: BIO-1211 and CHE-1031 or equivalent.

Students gain first-hand experience in the techniques used to sample and analyze aquatic ecosystems. We will discuss the occurrence of aquatic organisms in different systems and the chemical, physical and biological factors which affect their distribution.

BIO-3270 Forest Ecology

4 credits (with lab)

(available through EDP)

Prerequisite: BIO-2145 and CHE-1031 or equivalent.

Students learn how ecologists study the structural and functional aspects of forest communities of northeastern North America. Considerable time is spent outside exploring the watersheds of the Babcock Nature Preserve in order to study succession, nutrient and energy flow, and the role of disturbance in the maintenance of forest communities.

BIO-3280 Environmental Toxicology

4 credits (with lab)

Prerequisite: BIO-1211 and CHE-1031 or equivalent. Recommended: A course in statistics.

Students perform standard toxicity tests to understand experimental design and the biological fate and effects of pollutants. Skills developed in this course can be applied to a wide variety of environmental management and research occupations.

BIO-3290 Conservation Biology

3 credits

Prerequisite: BIO-2340, an upper-level ENV course, or permission of instructor.

This course will integrate many disciplines in biology, environmental science, and public policy that are traditionally covered as separate courses. Biological concepts include ecology, limnology, forest ecology, evolution, and toxicology. Chemical concepts will be applied to discussions of toxic substances and environmental contaminants. This course will take an interdisciplinary approach to solving conservation problems.

BIO-3310 Wildlife Field Methods

4 credits (with lab)

Prerequisite: Competence in natural science. (Summer Only)

Participants will learn basic and advanced procedures for the study of wildlife populations, and will practice a variety of observational, live-capture, and radiotelemetric methods for fish, amphibians, reptiles, birds, and mammals in the field. Selected species identification and sign reading techniques and general data analysis will be included. Participants must provide their own binoculars and hip-wader boots (purchased or borrowed). Not open to students who have already taken Field Mammalogy.

BIO-3320 Ornithology

4 credits (with lab)

Prerequisite: BIO-2310.

Engagement in the in-depth study of bird classification, anatomy, physiology, ecology and behavior. Several sessions

focus on Vermont birds and field techniques.

BIO-3720 Current Topics in Biology **1 credit**

Prerequisite: None.

A weekly seminar series presents invited research scientists known for their contributions in biology. Speakers represent a broad spectrum of biological disciplines. Discussion sessions follow. May be repeated for credit. (Shared course in VSC)

BIO-4220 Wildlife Ecology and Management

4 credits (with lab)

Prerequisite: BIO-2340 and a course in mathematics.

Classroom and field studies of game and non-game species with emphasis on population biology, physiological ecology and wildlife management in theory and practice.

BIO-4920 Senior Thesis **3 credits**

Prerequisite: Senior Standing.

The Senior Thesis requires students to conduct an individual research project, write a thesis, conduct an oral presentation and prepare a paper for publication. This capstone course allows the student to combine the skills and knowledge gleaned from previous courses with a self-designed research project that requires the student to ask a good question, develop appropriate techniques, and conduct appropriate research. The research topic is to be chosen by the student in consultation with a faculty. A thesis outline must be submitted to the supervising faculty member (or members) prior to commencement of research. This type of practical, hands-on experience may be conducted at locations off campus, in conjunction with a work-study project, internships, or on-campus research. The project must be completed within two semesters.

Business Courses (BUS)

BUS-2020 Principles of Management **3 credits**

Prerequisite: None.

This course is an introduction to the philosophy, principles, and techniques of management. Students will examine classical, modern, and emerging concepts as they relate to today's manager and the functional processes of planning, organizing, directing and controlling resources. Learning experiences may include case studies, team experiences and simulations. (Shared course in VSC)

BUS-2140 Personal Finance **3 credits**

Prerequisite: None.

A study of the tools used in personal financial planning. The student is introduced to the process used by professional planners and shown how this can be helpful in planning their own financial futures. (Shared course in VSC)

BUS-2210 Small Business Management **3 credits**

Prerequisite: None.

This course explores the practical aspects of organizing and managing a small business. It is designed to equip students with the skills and knowledge to make informed business decisions. Topics include the basic concepts of accounting, finance, cash management, taxes, business law, government regulations, staffing, and marketing. (Shared course in VSC)

BUS-2230 Principles of Marketing **3 credits**

Prerequisite: None.

This course introduces the role of marketing as it relates to manufacturing, wholesale, retail, not-for-profit, and service businesses. Topics include product development, pricing decisions, promotional considerations, and distribution options of both goods and services. Students will also examine the emerging role of electronic marketing and

its impact on today's businesses. (Shared course in VSC)

BUS-2410 Human Resource Management

3 credits

Prerequisite: None. Recommended: BUS-2020.

This course examines the critical issues and the strategic questions that must be considered when managing diverse groups of people in today's workplace. Topics include selecting, training, and evaluating personnel; compensation, health and safety, and bargaining units; motivation, morale, and human relations. (Shared course in VSC)

BUS-2810/4810 Internship in Business Management

1-12 credits

BUS-2910/4910 Independent Study in Business

1-12 credits

BUS-3050 Principles of Sales

3 credits

Prerequisite: BUS-2230.

Explores buyer behavior and the communication process of mutually satisfactory selling. Techniques of personal selling for individuals who must influence or persuade, actuate or lead other individuals now or in the future.

BUS-3060 Consumer Behavior

3 credits

Prerequisite: BUS-2230.

The study of consumers in the marketplace. It examines who, what, when, where, and how consumers make purchasing decisions. (Shared course in VSC)

BUS-3110 Ski Area Management and Design

3 credits

Prerequisite: BUS-2020.

The unique planning and management requirements associated with commercial ski resorts are presented: organizational structure, land and water management, environmental impact, and the various

roles of federal, state and local governments.

BUS-3131 Business Law I

3 credits

Prerequisite: None.

An introductory course to provide a knowledge and awareness of the scope and terminology of the American legal system as it pertains to business organizations. Topics emphasized may include criminal law, tort law, forms of doing business, law of contracts, sales, real and personal property law, negotiable instruments, Uniform Commercial Code, and agency relationships. (Shared course in VSC)

BUS-3150 Production/Operations Management

3 credits

Prerequisite: ACC-2122 and MAT-2030.

This survey course develops administrative skills needed to manage efficiently the several elements of production-materials, facilities and manpower. Quantitative models (Management Science) are used to optimize the efficient use of resources. (Shared course in VSC)

BUS-3210 Advertising

3 credits

Prerequisite: BUS-2230.

A comprehensive look at the promotional process including media analysis and selection, dealing with the creative functions and production processes, measuring promotional effectiveness, and developing a comprehensive advertising strategy. Central to the course is the development of an advertising plan and campaign. (Shared course in VSC)

BUS-3230 Financial Management

3 credits

Prerequisite: ACC-2122.

A study of the use of accounting data to make financial decisions. Decision making techniques are learned and used to address financial situations faced by a firm. (Shared course in VSC)

BUS-3250 Organizational Behavior and Management

3 credits

Prerequisite: BUS-2020.

The study of how individuals and groups interact in organizations to reach various goals and objectives. Particular emphasis is given to business organizations and the problems they face. *Meets Part III of the GECC.* (Shared course in VSC)

BUS-3265 Off-Shore Investment

3 credits

Prerequisite: BUS-3230 or permission of instructor.

The general purpose of this course is to expose students to the workings of international finance. Specific learning objectives will cover three basic areas of study. First there will be major concentration on business ethics as related to international and off-shore investment. Second, the methods and laws that allow for off-shore investment and tax sheltering will be examined. Third, international competition in tax law as balanced against a nation's right to legal sovereignty will be examined. Finally, and of no less import, the students will be exposed to a culture where race is almost nonexistent. As north Americans, we often see things through a racial filter. It is interesting to experience a culture where this is not done. This part of the course will be done by observation and class discussion.

BUS-4030 Marketing Research

3 credits

Prerequisite: BUS-2230 and MAT-2030.

A study of the assembly, analysis, and interpretation of information used to make marketing decisions. Includes research design, sampling techniques, data collection and analysis. (Shared course in VSC)

BUS-4070 Strategic Decision Making

3 credits

Prerequisite: ACC-2122, BUS-2230, BUS-2410, BUS-3150, BUS-3230, and BUS-3250
This course is designed to be a capstone to the critical thinking process. Students will

be placed in a position to use previously acquired knowledge and apply that knowledge to case studies of actual companies and through participation in the Capstone Business Simulation. This course will be conducted through a combination of student presentations and execution of an eight-year strategy with the Capstone Simulation.

BUS-4140 Quantitative Analysis

3 credits

Prerequisite: MAT-1221 and MAT-2030.

This course provides quantitative reasoning and quantitative tools to assist in the management decision-making process. Topics include inventory control models, linear programming, statistical hypothesis testing, regression and analysis of variance, scheduling methods, elements of calculus and differential equations, and queuing theory.

BUS-4180 Leadership and Management of Nonprofit Organizations

3 credits

(available through EDP)

Prerequisite: BUS-2020 or permission of instructor.

This course is designed to provide current and future nonprofit managers and leaders with an overview of a range of management and leadership theory, concerns, and best practices. The course will expand students' management skills, analytical tools, and leadership knowledge. Students take the perspective of nonprofit managers, volunteers, board members, policy makers, donors, and clients.

BUS-4710 Special Topics in Business

1-12 credits

(available through EDP)

BUS-4720 Senior Seminar

3 credits

Prerequisite: ECO-2020, ECO-2030, and ACC-2122. Recommended: BUS-3230, MAT-2030.

Provides students with an opportunity to integrate many of the techniques

previously learned in business courses. Through case analysis, business simulation and peer review, students develop the ability to question and analyze corporate decision making and policy setting.

Chemistry Courses (CHE)

CHE-1031 General Chemistry I

4 credits (with lab)

Prerequisite: None. Recommended: MAT-1020 or MAT-1221 or MAT-1320.

This is the first course of a two-semester sequence on the fundamental principles of chemistry. Topics include atomic structure, stoichiometry, gas laws, thermochemistry, modern atomic theory, liquids and solids, and molecular structure. *Meets Part II.B.2. of the GECC.* (Shared course in VSC)

CHE-1032 General Chemistry II

4 credits (with lab)

Prerequisite: CHE-1031. (The math course may be taken concurrently with CHE-1032.)

A continuation of CHE 1031. Topics include solution properties, kinetics, equilibrium, reaction mechanisms, thermodynamics, acid-base reactions, electrochemistry, and element properties. (Shared course in VSC)

CHE-2910/4910 Independent Study in Chemistry

1-12 credits

CHE-3111 Organic Chemistry I

4 credits (with lab)

Prerequisite: CHE-1032.

An introduction to the chemistry of organic compounds. Topics include nomenclature, bonding, molecular structure, functional groups, synthesis, reaction mechanisms, stereochemistry, and spectroscopic methods of analysis. Lab will introduce students to safety, sample handling and an introduction to reactions. (Shared course in VSC)

CHE-3112 Organic Chemistry II

4 credits (with lab)

Prerequisite: CHE-3111.

A continuation of CHE-3111. The two courses must be taken in sequence. Continued study of organic functional groups and their chemical properties and molecular structures. Advanced topics may include applications of molecular orbital theory, computational chemistry of organic molecules, and the chemistry of biomolecules. Lab will include compound identification techniques and organic synthesis reactions. (Shared course in VSC)

Communications Courses (COM)

COM-2050 Introduction to Film Study

3 credits

Prerequisite: None.

The study of film as an item of commerce, as an art form, and as a method of communication. An examination of film's style and technology will inform critical interpretation (voice, oral and written) as an integral part of the course. *Meets Part II.A.1 of the GECC.* (Shared course in VSC)

Community Service Courses (CSV)

CSV-1011 Principles in Community Service Learning

2 credits

Prerequisite: None.

This course outlines the history of volunteerism, analyzes why we choose to become volunteers, and provides an opportunity to share and reflect upon our volunteer experiences. The classroom setting assists students to integrate volunteer learning with their educational and career goals.

CSV-1012 Community Service Learning

1 credit

Prerequisite: None. Recommended: CSV-1011.

Students are linked through volunteer services with an agency, school or project. A journal is kept by the student as a tool to

analyze the experience and document skills developed and/or enhanced. Students are awarded one credit for 30 hours of service and the completion of a reflective paper.

**CSV-2810/4810 Internship in
Community Service
3 credits**

**CSV-2910/4910 Independent Study in
Community Service
1-12 credits**

**CSV-3010 Leadership through
Volunteer Service Learning
1 credit**

Prerequisite: None. Recommended: CSV-1011, CSV-1012.

In this course, students learn how to plan, develop and implement a student community service project. They have the option of being a "Student Coordinator" in: a) a particular program area, e.g., children, environment, community development, elderly, or b) a one-shot project, e.g., Red Cross Blood Drive, Hunger Clean-Up, or Freshman Orientation Community Service Project.

Computer Information Systems Courses (CIS)

**CIS-1041 Microcomputer
Applications I
3 credits**

Prerequisite: None

This course is designed to introduce the student to the world of microcomputers. The course focuses on software. In particular, the student will learn to use Windows, and Microsoft Office (including Word®, Excel®, Power Point® and Access), the Internet (e-mail and World Wide Web software) and elementary web page design. By the end of the course, the student will be able to write documents, create and use spread sheets, develop graphic presentations, have a basic understanding of relational data bases, access the Internet, send e-mail, and create their own web page. (Shared course in VSC)

CIS-2220 Website Design

3 credits

Prerequisite: None.

This course explores the fundamental principles of "good" website design. Students will learn the basic structure of a web page using HTML coding. Students will also explore the advanced topics of designing forms, using Cascading Style Sheets and embedding javascript commands. Students will also be exposed to the whys and how of website design. Students will create their own web pages and publish them on the world wide web using FTP software. (Shared course in VSC)

CIS-2271 Java Programming

3 credits

Prerequisite: None.

This course will introduce the student to basic concepts of Java and Object Oriented Programming (OOP). The course begins with basic concepts of OOP. These include classes, objects, inheritance, polymorphism, and object oriented design. The course will then cover the language features of Java. The topics in this section are: program structure, statement and field types, operators, expressions, and control structures. The course then returns to OOP features of Java, focusing on object data types, strings, methods, classes and constructors. The final section addresses graphical user interface (GUI). The topics are: applets, GUI components (e.g. buttons), event processing and frames. (Shared course in VSC)

**CIS-2910/4910 Independent Study in
Computer Information Systems**

1-12 credits

CIS-3040 Database

3 credits

Prerequisite: None.

This course is designed to take the student through the world of relational databases using Microsoft Access. By the end of the course, each student will be able to design and build a relational database. (Shared course in VSC)

CIS-3272 Advanced Java Programming
3 credits

Prerequisite: CIS-2271.

Topics include memory management, advanced object oriented concepts, data structures advanced swing user interface features, error handling, networking, advanced input and output. (Shared course in VSC)

Dance Courses (DAN)

DAN-1010 Fundamentals of Dance
3 credits

Prerequisite: None.

Introduction to dance and movement with a studio component. *Meets Part II.A.3. of the GECC.* (Shared course in VSC)

DAN-1020 Fundamentals of Jazz Dance
3 credits

Prerequisite: None.

Introduction to the principles and techniques of jazz dance. (Shared course in VSC)

DAN-1030 Body Awareness
3 credits

Prerequisite: None.

Designed to awaken an awareness of one's body through yoga, dance, massage techniques and reading assignments. Emphasis is on the importance of proper alignment, energy flow, flexibility and strength, body/breath coordinations, tension relief exercises, and philosophies. There are also exercises in postural re-education and simple body-care techniques. A strong emphasis is placed on the correct and natural use of the body. May be repeated for credit. (Shared course in VSC.)

DAN-1111 Modern Dance
3 credits

Prerequisite: None.

Introduction to the principles and techniques of modern dance. May be repeated for credit. (Shared course in VSC)

DAN-1210 FYC: If I Can't Dance – Keep Your Revolution
3 credits

Prerequisite: Open to first-year only.

History is not just about important revolutions, battles, politicians and changing borders. It is also about everyday people, and what is important in their everyday lives. This course is a multicultural exploration of the simple things that give people pleasure: their dance, games, social activities, cuisine; some of the things that make a nation's culture. We see how geography, climate, work, religion/ritual, gender, and age all have their impact on a country's customs. This course investigates the similarities and differences between the various cultures of people around the globe. This course celebrates what Emma Goldman called "everybody's right to beautiful, radiant things." *This is a first-year seminar course and meets the First-Year Seminar requirement of the GECC.*

DAN-2010 Folk Dance
3 credits

Prerequisite: None.

An introduction to folk dance and the joyous art of communal dancing of selected international origins. Includes instruction in appropriate styling as well as cultural and historical information pertinent to the countries involved. Outside readings and oral presentation are expected of the student. May be repeated for credit.

DAN-2030 Improvisation/Composition
4 credits (with choreography lab)

Prerequisite: None.

This course explores the nature of movement qualities and textures and the elements of dance: space, time and force. The lab requires the development of improvisation and composition experiments into fully realized compositions intended to be presented before an audience. May be repeated for credit. (Shared course in VSC)

DAN-2040 Beginning Tap Dance

2 credits

Prerequisite: None.

This course offers students the opportunity to study the fundamental structure of tap technique and learn basic tap dance vocabulary. Students will learn to put this vocabulary together into phrases and combine these phrases into a choreographed dance. Students will explore the unique role tap dance plays in the history of American dance from its beginnings to current trends. They will also research performers who have affected its change and place in the dance world. Additional work will include a focus on speed, flexibility, strength, and emphasis on styles and genres of dance, which have affected tap. (Shared course in VSC)

DAN-2131 Ballet

3 credits

Prerequisite: None.

Study of the structure and form of classical ballet. May be repeated for credit. (Shared course in VSC)

DAN-2730 Topical Seminar in Dance

.5-4 credits

Prerequisite: Prerequisites may change depending on topic.

This course supplements the regular dance program, offering students the opportunity to study a broad range of topics, which vary from semester to semester. May be repeated for credit.

DAN-2910/4910 Independent Study in Dance

1-12 credits

DAN-3010 The Renaissance Spirit

3 credits

Prerequisite: None.

A survey of the Renaissance as experienced through dance and other arts of the period. Manners, morals, music, movement, culinary delights and eccentric clothing are some of the aspects of Renaissance life explored in this course. Come and leap through the Galliards, strut through Pavans, listen to sackbuts and crumhorns

and feast on authentic food and drink of the period. *Meets Part III of the GECC.*

DAN-3020 Intermediate Ballet: Technique and History

3 credits

Prerequisite: DAN-2131 or permission of the instructor.

A continuation and progression of the work begun in DAN-2131 with a further exploration of classical ballet vocabulary and technique through the execution of more accelerated barre and center floor exercises. Emphasis is on proper body alignment, development of rhythmic attack, musicality, clarity and precision, increased strength, flexibility and flow of movement. This course includes a survey of the history of ballet from its beginnings in the courts of Renaissance Europe to the present. May be repeated for credit.

DAN-3030

Improvisation/Composition: Intermediate/Advanced Level

4 credits (with choreography lab)

Prerequisite: DAN-2030 or permission of instructor.

This course is a continuation of DAN-2030. May be repeated for credit.

DAN-3032 Body Awareness II

3 credits

(available through EDP)

Prerequisite: None.

Designed to awaken an awareness of one's body through yoga, dance, massage, techniques and reading assignments.

Emphasis is on the importance of proper alignment, energy flow, flexibility and strength, body/breath coordination, tension relief exercises, and philosophies.

There are also exercises in postural re-education and simple body-care techniques. A strong emphasis is placed on the correct and natural use of the body.

DAN-3112 Intermediate Modern Dance: Technique and History

3 credits

Prerequisite: DAN-1111 or permission of the instructor.

A continuation of the work begun in DAN-1111. Movement combinations are longer, more rhythmically complex and more varied in dynamics and quality. Emphasis is on developing a sense of theatrical style as well as continuing technical growth. This course includes a history component which traces the development of modern dance. May be repeated for credit.

DAN-3130 Jazz Dance
3 credits

Prerequisite: None.
An introduction to the movement vocabulary and style of jazz, a performance-oriented form. Students of jazz dance learn to incorporate balletic and modern dance techniques into the specialized jazz style. They also develop the ability to handle their bodies as instruments, smoothly, sharply, lyrically, percussively and rhythmically. This course includes a historical survey of jazz dance from its roots in Africa through vaudeville, musical theater, movies and today's jazz artists. May be repeated for credit.

DAN-3140 African/Caribbean Dance and Culture
3 credits

Prerequisite: None
The dances of Africa and the Afro-Caribbean Islands share components true of all dance forms which arise out of polytheistic cultures; they celebrate and acknowledge the complexity of the human psyche and of the forces of nature, and also through the human form. Many of these dances are practiced as part of religious celebration and ritual; others are secular. Our exploration of these dances will be through the lens of a living mythological system. We will delve briefly into the realm of Carl Jung's collective unconscious and the phenomenon of archetypes, and then look at how these archetypes are expressed in mythology, particularly as studied by Joseph Campbell. We will then examine myths and archetypes embodied by the dances, and experience the actual rhythms and dances, with live drumming accompaniment. Readings by Africans,

Afro-Caribbean, and Westerners, and films portraying the great diversity within this dance form will inform and deepen our understanding and experience.

DAN-3180 Folk Dance II
3 credits
(available through EDP)

Prerequisite: None.
Folk Dance explores the joyous art of communal dancing from selected international origins. The way that music, food, clothing, rituals, climate, geography, religion, work, art, culture and history influence the dances of these regions will also be included. Outside readings, research and oral presentations will be expected of the student.

DAN-4130 Advanced Ballet/Modern Dance: Technique and History
3 credits

Prerequisite: DAN-3112 or 3020 or permission of the instructor.
A solidifying of the knowledge and technique acquired in intermediate ballet and intermediate modern dance with an increasing complexity of movement combinations, a broader range of movement and a greater emphasis on performing skills. This course requires an in-depth project on some element of dance history. May be repeated for credit.

Economics Courses (ECO)

ECO-1020 Introduction to Economics
3 credits

Prerequisite: None.
Not open to those taking other college-level economics.
A survey, this course examines economic behavior and economic systems in society and provides a broad view of major schools of economic thought and of economic dimensions of public issues. Students become acquainted with consumer and business activities and their role in the functioning of the economy. Skills of effective writing, basic calculation and critical reasoning also receive attention.

Meets Part II.D. of the GECC. (Shared course in VSC)

ECO-2020 Macroeconomics
3 credits

Prerequisite: PLM-0002 or, MAT-1020.
A study of national economic systems. Includes national objectives such as low unemployment and low inflation, measuring economic success, the business cycle, and an introduction to international trade. The basic models using prescriptive policy tools are learned. *Meets Part II.D. of the GECC. (Shared course in VSC)*

ECO-2030 Microeconomics
3 credits

Prerequisite: PLM-0002 or MAT-1020.
A study of the firm and markets. Includes Price theory at the firm and market level, market solutions to problems of scarcity, and the policy alternatives available to correct for inefficiency and market failure. *Meets Part II.D. of the GECC. (Shared course in VSC)*

ECO-2910/4910 Independent Study in Economics
1-12 credits

ECO-3010 Environmental Economics
3 credits

Prerequisite: ECO-1020 or 2030, junior or senior standing.
Improving the environment usually involves difficult economic choices, and often, as an unintended side effect of economic activity, natural amenities are lost. This course examines why the economic system fails to give sufficient weight to environmental consequences and discusses policies being proposed and implemented for state and federal action to deal with the problem.

ECO-3030 Public Finance and Administration
3 credits

Prerequisites: ECO-2020 and ECO-2030.
This course introduces students to the intertwined financial and administrative functions of government. On the financial side, the provision of public goods, public

budgeting, and tax theory are covered. On the administrative side, topics include decision-making criteria, policy analysis and implementation, public regulation, and concepts of federalism.

Education Courses (EDU)

EDU-1020 The Human Endeavor
3 credits

Prerequisite: None.
This is an experiential, competency-based course designed to introduce students to higher education and Johnson State College. The main objective of the course is to ensure student success and to improve skills in writing, reading, critical thinking, research and self-awareness.

EDU-1110 FYS: "What Is Called Thinking?"
3 credits

Prerequisite: Open to first-year students only.
Although thinking styles can be described by different people, it is ultimately a unique process which can change over time. However, by gaining an awareness of one's own motivations, interests, and aptitudes at the beginning of their college experience, students understand how they learn/think in order to assist in course choices and identify life goals. What motivates and interests you? Is it tactile? Is it conceptual? Is it visual? Is it audio? Do you make it? Do you play it? Do you share it? This seminar will help you explore and articulate several aspects of your ways of thinking and learning. *This is a first-year seminar course and meets the First-Year Seminar requirement of the GECC.*

EDU-2040 Child Development
3 credits

Prerequisite: PSY-1010.
A thorough examination of the physical, intellectual and social development of the child from conception to puberty. This course focuses on viewpoints of major theoreticians, from both the past and the present. Relationships between theory and practice are consistently stressed, with

students applying theoretical information and research data to the real-world problems of teaching and rearing children.

EDU-2080 Literacy Instruction in the Elementary School I
4 credits

Prerequisite: Second semester sophomore standing and 2000-level writing course. Theories and methods of reading instruction for the elementary school teacher are presented. A field component of one morning per week in an elementary classroom is an integral part of this course.

EDU-2110 Introduction to Exceptional Populations
3 credits

Prerequisite: None. This course examines the development and special needs of children and adolescents who have developmental disabilities, learning disabilities, speech and language disorders, emotional disturbance, physical disabilities, sensory disabilities, intellectual giftedness and talents, or other exceptionalities. The evolution of special education law and its implications for inclusion of exceptional students into regular classroom environments is also investigated. (Shared course in VSC)

EDU-2170 Adolescent Development
3 credits

Prerequisite: PSY-1010. This course examines theories and research related to the cognitive, physical and social development during the adolescent years. The influences of parents, peers and media are explored. Through a project focus and active learning techniques, the student explores areas of interest that relate to adolescent development.

EDU-2320 Engaged in Creative Teaching and Learning
3 credits

Prerequisite: None. Designed as an introductory course, this course will explore the interaction between learning and teaching and serve as a formal introduction to the field of teaching, how

teachers develop their practices, and the Vermont state licensure process. Pre-service teachers will engage in child study, participate in on-going classroom inquiry into learning inquiry, explore central ideas that influence teaching and shape classroom management, and the integration of technology, and begin development of the licensure portfolio. Self-reflection will be central and support potential education majors in exploring teaching in a public school setting and considering whether it is something they might wish to pursue.

EDU-2910/4910 Independent Study in Education
1-12 credits

EDU-3010 Social and Natural Science Methods for Elementary Teachers
3 credits

Prerequisite: Concurrent enrollment in EDU-3811. In this course, students study social and natural phenomena through observation, experimentation and rational analysis, and learn to be objective while collecting data. A stress on the social, historical, economic, cultural and political processes of social science is balanced by an equal stress on topics belonging to natural sciences, such as electricity, forces and sound. Emphasis at all times is on methods and materials applicable to teaching elementary school children. This course is taught at our Professional Development School site.

EDU-3020 Educational Psychology
3 credits

Prerequisite: None. Recommend: PSY-1010 and EDU-2040 or EDU-2170. This course offers students the opportunity to learn how psychological principles and the works of various theorists relate to teaching and learning. The roles of motivation, intelligence, attitudes, and the components of effective teaching are studied. *Meets Part III of the GECC.* (Shared course in VSC)

EDU-3030 Methods and Materials for Teaching Elementary School Mathematics

3 credits

Prerequisite: Successful completion of Praxis I (math) and a 2000-level mathematics course. Concurrent enrollment in EDU-3811.

This course provides prospective elementary school teachers with a working knowledge of the methods, materials, skills, understanding and attitudes that will help them meet the needs of children learning mathematics. This course is taught off campus at our Professional Development School site.

EDU-3035 Literacy Development in the Early Years: Preschool-Third Grade

3 credits

Prerequisite: EDU-2040, EDU-2080.

Students will investigate how to provide a literacy program that provides children with appropriate learning experiences during the early years of school. Major topics to be pursued include phonological and phonemic awareness, how and when to "teach phonics," how to assess, address and respond to early language and literacy development, including advanced and delayed development, and how to conduct a successful "guided reading" program. This class requires students to engage in observation and participation in classroom settings.

EDU-3080 Literacy Instruction in the Elementary School II

3 credits

Prerequisite: EDU-2080 and concurrent enrollment in EDU-3811 for on-campus students.

Methods, techniques, and rationale for integrating reading, writing, and speaking and listening skills into the elementary classroom curriculum are presented in this course. Special emphasis is on relating oral language to reading instruction and on enhancing communication skills through poetry, creative writing, technology, music and art.

EDU-3110 Literature for Children

3 credits

Prerequisite: None. Recommended: EDU-2040.

Students in this course examine literature for children of different age groups and reading levels. Critical selection and evaluation, as well as the creative use of literature, are an integral part of the course. *Meets Part III for the GECC.* (Shared course in VSC)

EDU-3120 Methods in Health and Physical Education for Elementary School Teachers

2 credits

Prerequisite: EDU-2040, EDU-3020; for PED majors, PED-1150.

This is a required course for certification in elementary education and elementary physical education. Emphasis is on various methods and teaching techniques in movement, games, and dance for use by elementary school classroom teachers.

EDU-3210 Secondary Education Methods: General

2 credits

Prerequisite: Must be taken in conjunction with specific content area methods class, e.g., EDU-3220, 3230, 3250 or 3260.

This two-credit course focuses on the preparation of the secondary teacher, grades 7-12. The class is organized into four basic areas: (1) the role of the teacher, (2) instructional and management techniques, (3) lesson and unit planning, and (4) professionalism and ethics. Students plan, teach, and evaluate within the class. Observations and participation in area schools also provide a readiness for the student teaching experience.

EDU-3220 Secondary Education Methods: English

1 credit

Prerequisite: Concurrent enrollment in EDU-3210.

The language arts component of secondary methods focuses on instructional and assessment strategies in teaching literature and writing in grades 7-12.

EDU-3230 Secondary Education

Methods: Social Studies

1 credit

Prerequisite: Concurrent enrollment in EDU-3210.

The social studies component of this course is designed to help students organize, plan and teach social studies at the secondary level. A variety of techniques are experienced to provide active learning experiences in social studies.

EDU-3240 Literacy Development in the Content Areas

3 credits

Prerequisite: None. (Open only to students who do not have a bachelor's degree)

This course concentrates on the principles, techniques and materials for teaching reading and writing through all content areas. Topics include the use of readability measures, vocabulary development, comprehension, research and study skills and lesson planning. A field component is an integral part of this course. (Shared course in VSC)

EDU-3250 Secondary Education

Methods: Theater

1 credit

Prerequisite: Concurrent enrollment in EDU-3210.

Students organize, plan and teach segments of theater classes to peers. Observations, lesson and unit plans are also included.

EDU-3260 Secondary Education

Methods: Dance

1 credit

Prerequisite: Concurrent enrollment in EDU-3210.

This course is designed to provide students with the necessary concepts and practical skills to develop curriculum, create course goals and lesson plans, and direct dance productions in a school setting; and to provide students with appropriate teaching techniques for teaching secondary school students.

EDU-3300 Introduction to Classroom Management

1 credit

Prerequisite: EDU-2040 and EDU-2110. Advanced research, theories, and practices of classroom management at elementary, middle, and high school levels.

EDU-3811 Elementary Student Teaching I

6 credits

Prerequisite: Overall B average (3.0); successful completion of Praxis I exam; EDU 2040, EDU 2080, EDU 2110 with grades of B- or higher; concurrent enrollment in or previously completed EDU 3010, EDU 3030, and EDU 3040, signature of approval from student teacher coordinator.

This half-semester course involves student teaching and participation in seminars which focus on techniques, materials and technology pertinent to teaching in the elementary school. Students are expected to maintain the public school calendar.

EDU-4272 Secondary Education Methods II: The Practice of Curriculum, Instruction, and Assessment

3 credits

Prerequisite: EDU- 3210, and EDU-3220 or EDU-3230 or EDU-3250 or EDU-3260.

In this course, learners will continue work begun in Secondary Education Methods I within the specific content area in which they are seeking licensure. Under the guidance of a cooperating teacher and college supervisor, learners will implement a curriculum map, lesson, and unit plans; concepts that were developed in the first secondary methods course. In addition to substantial field experience, emphasis will be placed on creating and managing a successful learning environment and preparing to become an effective secondary teacher.

EDU-4812 Art Student Teaching

12 credits

Prerequisite: Overall GPA of 3.0 or higher; successful completion of Praxis I exam;

EDU 2040 and/or EDU 2170; EDU 2110, EDU 3020, EDU 3240, ART 3120 and/or ART 3140 (with a grade of B- or higher in each), signature of approval from student teacher coordinator. This full-semester course involves full-time student teaching in art and participation in frequent seminars that focus on techniques, materials and technology pertinent to teaching art in an elementary school.

EDU-4820 Elementary Student Teaching II

12 credits

Prerequisite: EDU 3010, EDU 3020, EDU 3030, EDU 3080, and EDU 3811 with grades of B- or higher. Overall GPA of 3.0 or higher, signature of approval from student teacher coordinator.

Following a semester of prescriptive study after Practicum I, the student enrolling in Elementary Practicum II will spend a full semester student teaching in a school district. Evaluation is based on the student's demonstration of the competence generally expected of a first-year teacher.

EDU-4830 Music Student Teaching

12 credits

Prerequisite: Overall GPA of 3.0 or higher, successful completion of Praxis I exam, EDU 2040, EDU 2170, EDU 2110, EDU 3020, EDU 3240, MUS 3160, and MUS 3210 (with a grade of B- or higher in each), signature of approval from student teacher coordinator.

The full-semester course involves full-time student teaching in music and participation in frequent seminars which focus on techniques, materials and technology pertinent to teaching music in an elementary school.

EDU-4835 Physical Education Student Teaching

12 credits

Prerequisite: EDU-2040 and/or EDU-2170, EDU-3120 and/or PED-3140, and EDU-2110, 3020, 3240 with grades of B- or higher, junior class standing, signature of approval from student teacher coordinator, 60 clock hours of field experience, overall

GPA of 3.0 or better and successful completion of Praxis I exam. Beginning October 2004, students applying for initial licensure must also pass Praxis II before doing their practicum. This course offers a full-time teaching placement in a public or private K-12 school under the supervision of an experienced physical educator. Students will apply principles, techniques and technology appropriate to the physical education classroom. (Shared course in VSC)

EDU-4850 Secondary Education Student Teaching

12 credits

Prerequisite: Overall GPA of 3.0 or higher, successful completion of Praxis I, EDU 2170, EDU 2110, EDU 3020, EDU 3240 and a methods course in the appropriate content area (each with a grade of B- or higher), signature of approval from student teacher coordinator. Students spend a full semester in a secondary classroom setting, gradually increasing their involvement, and culminating in a period of full-time teaching under the direction of a cooperating teacher. Practical application of teaching principles, knowledge, and understanding of adolescents is involved. (Shared course in VSC)

English Courses (ENG)

ENG-1005 College Reading

3 credits

Prerequisite: None.

This course is designed to teach critical reading skills applicable to course work in many fields. Students will learn how to recognize the essential points in a piece of reading, as well as how to discern the writer's tone and how to evaluate the relevance of supporting information. They will learn to ask questions about what they read, rather than taking what appears in print on faith. Though this course is not intended to be a speed reading course or a remedial course for serious deficits in reading skills, students who successfully complete this course will be more

comfortable and fluent with a variety of texts and better prepared for further college work.

ENG-1031/1032 College Writing 1A and 1B

3 credits each

Prerequisite: Must take ENG-1031 before ENG-1032.

These courses, which must be taken in sequence, cover the material of ENG-1051. Students must earn a grade of C- or better in ENG-1031 in order to enroll in ENG-1032. If the sequence is completed, students earn 6 credits towards graduation. *ENG-1031 and 1032 combined meet Part 1.A. of the GECC.*

ENG-1051 College Writing

3 credits

Prerequisite: PLE-0003 or ENG-0041.

This course emphasizes the writing of narrative, descriptive, and analytic essays developed around a central thesis. The construction of coherent, well-organized paragraphs, as well as standard punctuation, usage, grammar, and spelling, receive special attention. *Meets Part I.A. of the GECC.* (Shared course in VSC)

ENG-1052 Exposition and Analysis

3 credits

Prerequisite: PLE-0004 or ENG-1051 or ENG-1031/1032.

This course addresses the writing of analytic essays, focusing on the structure of persuasive writing, the appropriate consideration of audience, and the development of style. The course culminates in a research paper. Note: JSC students must take the Writing Proficiency Exam while enrolled in Exposition and Analysis to get a grade for the course. *Meets Part I.A. of the GECC.* (Shared course in VSC)

ENG-1070 Effective Speaking

3 credits

Prerequisite: None. Recommended: ENG-1052.

Students prepare and deliver short speeches, practicing how to choose, limit, and arrange what they say according to their audience and purpose, and to use

visual aids and cite sources appropriately. (Shared course in VSC)

ENG-1220 Rhetorical Expression

3 credits

(available through EDP)

Prerequisite: None.

Through intensive practice with short essays and close instruction, students in this course enhance their skills in written expression. They become more effective and comfortable with the writing process, use of good mechanics and precise language, development of a natural style, and standard rhetorical forms and strategies. Successful completion of this course satisfies the JSC Writing Proficiency requirement. (Open only to EDP students. Pass/No Pass only.)

ENG-1260 Introduction to

Photojournalism

1.5 credits

Prerequisite: None

During this 21-hour course, students will be introduced to the form, theory, and practice of modern photojournalism, including the following: a history of photojournalism, basic principles of news photo composition, the role of the photojournalist in a news organization, ethical considerations of the profession, and the fundamentals of digital technology from the camera itself through the editing process. The workshop will combine lecture, discussion, brief field trips, and hands-on application of course concepts through photo assignments and digital processing afterwards. (A digital camera is required for this course and will be needed for all classes. If you do not have access to a digital camera, please contact the professor before the class begins.)

ENG-1310 Introduction to Literature
3 credits

Prerequisite: None.

An examination of poetry, fiction, and drama, emphasizing key literary concepts and techniques, including plot, theme, character, point of view, and prosody. *Meets Part II.A.1. of the GECC.* (Shared course in VSC)

ENG-1330 FYS: Language of Film
3 credits

Prerequisite: Open to first-year students only.

Just as learning a foreign language requires a sensibility for rules and structure, effective communication using film and video requires an understanding of the filmic conventions that have grown up through the past 100 years of film history. Understanding these conventions is especially important as changes in computer technology bring the tools for video creation to the PC desktop. Students and workers of today will see unprecedented opportunity for video "expression" in both their academic and professional careers. *This is a first-year seminar course and meets the First-Year Seminar requirement of the GECC.*

ENG-1360 FYS: DYSTOPIA: Cautionary Tales of a Nightmarish Future
3 credits

Prerequisite: Open to first-year students only.

Probing basic questions of human nature and society, dystopian (the worst of all possible worlds) literature and film reveal anxieties that remain chillingly applicable today. We will explore such issues as the self, alienation, freedom, complicity, citizenship, love, faith, sex, technology, and happiness through a variety of novels and films. *This is a first-year seminar course and meets the First-Year Seminar requirement of the GECC.*

ENG-2005 The Self-Sufficient Writer
3 credits

Prerequisite: Failure of the Writing Proficiency Exam.

This three-credit course is intended to replace the Writing Proficiency Portfolio, and is the means by which students who have failed the Writing Proficiency Exam may satisfy the last element of the Core Curriculum in writing. As with the Writing Proficiency Exam, the emphasis of the course is the writing of extemporaneous persuasive essays in edited standard American English, without help from instructors or software-based spelling and grammar aids. Students will be expected to write in-class essays that state a clear thesis and develop that central idea concretely, logically, and correctly. Class time will be spent reviewing and cultivating the wide range of skills necessary to prepare students for the writing of analytic essays with a minimum of errors and without assistance from the instructor: review of and quizzes over the rules of grammar, punctuation, spelling, and usage; editing passages and dictation exercises; peer teaching; and every week, in-class writing.

ENG-2051 Introduction to Newswriting
3 credits

Prerequisite: Previous or concurrent enrollment in ENG-1052 or the equivalent.

The basics of news-gathering and news-writing are taught with an emphasis on writing for a daily newspaper. Students are expected to participate as staff members of the college newspaper by gathering news, writing stories, editing stories and designing pages. The course also covers some aspects of the history of journalism and aids students in developing news judgment and exercising journalistic ethics.

ENG-2052 Newspaper Publishing: Writing, Editing, Layout, and Design
3 credits

Prerequisite: ENG-1052 and ENG-2051.
This course will focus on editing the campus newspaper. The students will comprise the newspaper editorial staff. They will assign stories and photography, write news stories, columns and editorials, and learn layout (desk-top publishing). In addition, some of the class will be designated to handle the business end of publication: advertising sales, budget, and acquisition of supplies and equipment. This is a hands-on class required of all journalism majors and open to all majors.

ENG-2101 Creative Writing
3 credits

Prerequisite: ENG-1051, ENG-1060, ENG-1061, ENG-1062, or ENG-2270
Students analyze and practice the techniques of poetry and prose fiction. In poetry, students work with imagery, metaphor, tone, and diction, and experiment with traditional and contemporary verse forms. In prose fiction, students work with plot, setting, point of view, and characterization. (Not repeatable for credit.) (Shared course in VSC)

ENG-2171/2172 World Literature I, II
3 credits

Prerequisite: None. May be taken in sequence or separately.
The course introduces students to fiction, poetry, essays and drama in translation, mainly from the European tradition, but also including works from the Near and Far East and Latin America. World Literature I focuses on work by Homer, the Greek dramatist, Biblical and Buddhist writers, and the Chinese poet Tu Fu. Major figures in World Literature II include Dante, Rumi, Chekhov, Kafka and Neruda. Each work is looked at in its cultural context, though common themes and ideas are also examined. *Meets Part II.A.1. of the GECC.*

ENG-2281/2282 Survey of English Literature I, II
3 credits

Prerequisite: None. May be taken in sequence or separately.
These two courses focus on representative works by writers from the British Isles and provide students with an historical perspective from which to study the development of major genres and themes in the English literary tradition. ENG-2281 begins with Beowulf and Old English literature, proceeds through the Middle Ages, focusing on Chaucer, explores representative literature from the Age of Elizabeth, including Shakespeare, and ends with Milton and Paradise Lost. ENG-2282 begins in the Age of Reason with Swift and Pope, surveys selections from Romantic and Victorian writers such as Wordsworth, Keats, Browning and Arnold, and ends in an exploration of Modernism focusing on such writers as Eliot, Joyce and Woolf.
Meets Part II.A.1. of the GECC.

ENG-2321/2322 Survey of American Literature I, II
3 credits

Prerequisite: None. May be taken in sequence or separately.
These two courses survey the American tradition of literature from the early colonial period to the present. Focus is on major figures and on genres such as diaries, journals, poetry, essays and fiction. The first semester considers Winthrop, Bradstreet, Taylor, Edwards and Franklin in the 17th and 18th centuries and Emerson, Poe, Thoreau, Melville, Dickinson and Whitman as major 19th century writers. The focus of the second semester, which may be taken without taking ENG-2321, extends from the late 19th century through the first half of the 20th and includes such writers as Twain, James, Crane, Frost, Eliot, Hemingway, Faulkner and Stevens.
Meets Part II.A.1. of the GECC.

ENG-2323 FYS: 1492: Reading the Conquest
3 credits

Prerequisite: Open only to first-year students.

This first-year seminar will examine early literary responses to the conquest of the New World. Themes include the sense of wonder and curiosity catalyzed by the epochal encounters begun in 1492; the meanings of these journeys, discoveries, and conquests; ideas about the natural (were the Americas and their inhabitants paradisiacal or savage?); and the significance of the conquest for us today. It is hoped students will share the sense of awe expressed by our authors at the marvels they encountered during their various sojourns. This course is also designed as a beneficial introduction to college life including research, balancing your schedule, learning how to learn, making use of campus resources and developing successful study skills. *This is a first-year seminar course and meets the First-Year Seminar requirement of the GECC.*

ENG-2355 FYS: Tradition and Identity in Contemporary Literature
3 credits

Prerequisite: None

This course is designed to investigate the influence of the past on the present, especially as this influence affects individual identity, purpose, and fulfillment. Our focus will be on people's responses to family contemporary essays, autobiography, and fiction, and on our own examination of the past and its influence in our lives. Whenever we identify who we are, we make choices: What do we want or need to emphasize about ourselves? How will people respond to what they learn about us? Will our freedom and control (both short- and long-term) be enhanced or constrained as a result? What combination of skills, influences, insights, and effort will give us the best chance of meeting life on its own terms and making the most of it and of ourselves? *This is a first-year seminar course*

and meets the First-Year Seminar requirement of the GECC.

ENG-2510 Women and Literature
3 credits

Prerequisite: None.

A culturally diverse survey of fiction and poetry by women authors that explores women as characters and the condition of women in the world. *Meets Part II.A.1. of the GECC.* (Shared course in VSC)

ENG-2810/4800 Internship
1-12 credits

ENG-2910/4900 Independent Study in English
1-12 credits

ENG-3020 Feature Writing
3 credits

Prerequisite: ENG-1052.

An advanced course in the preparation and production of feature articles and essays. The course includes close examination of contemporary features writing in both national and regional newspapers and magazines. Opportunities for the publication of student work in this course may be available in the college newspaper and other college publications.

ENG-3022 Advanced Newspaper Publishing: Writing, Editing, Layout, and Design
3 credits

Prerequisite: ENG-2052

This class is available to students who have taken ENG-2052 and choose to return to the newspaper staff a second semester. Their responsibilities include more page layout, more investigative reporting, and more line editing and rewriting. (Repeatable for credit)

ENG-3120 Poetry Workshop
3 credits

Prerequisite: ENG-2101 or permission of the instructor.

Student poems serve as the basis and focus of this advanced writing workshop. Intensive and extensive writing is expected, and revisions of poems are required.

Students also study the poetry and poetic theory of contemporary writers to discover how their work fits into the contemporary poetic tradition. (Repeatable for credit)

ENG-3130 Fiction Workshop

3 credits

Prerequisite: ENG-2101 or permission of instructor.

This upper-level course concentrates on the short story. Weekly class discussion ranges from critiquing fellow students' work to examining work by professional writers. Students write at least three full-length stories by the end of the semester. (Repeatable for credit)

ENG-3140 The Creative Essay

3 credits

Prerequisite: ENG-2101, ENG-2051, or permission of instructor.

The essay as creative non-fiction is analyzed as a model for students, and emphasis is placed on helping students to frame eloquent and artistic prose. Students write essays as well as study classic essays from academic and popular writing. The goal of the course is to encourage and assist students to become writers of essays that move readers as well as inform. (Spring semesters, even years)

ENG-3270 Myth and Myth Making

3 credits

Prerequisite: ENG-1052 and ENG-1310 or ENG-2171 or ENG-2172 or ENG-2281 or ENG-2282 or ENG-2321 or ENG-2322 or ENG-2510.

An interdisciplinary, team-taught inquiry which provides an overview of myth and the myth-making process, this course focuses especially on quest myths and on myths concerning sacrifice, death and rebirth. Though most myths read will be Greek, students will also be encouraged to explore Native American and other mythologies. The course will emphasize the ways myth has been used by dramatists, poets and visual artists. (Spring semesters, even years) *Meets Part III of the GECC.*

ENG-3320 English Novel

3 credits

Prerequisite: ENG-1052 and ENG-1310 or ENG-2171 or ENG-2172 or ENG-2281 or ENG-2282 or ENG-2321 or ENG-2322 or ENG-2510.

This course surveys the English novel from Sterne, Richardson and Austen to Conrad, Lawrence and Woolf. Dickens, Hardy, Forster and other recent novelists are stressed. (Fall semesters, even years)

ENG-3380 British Romantic

Literature

3 credits

Prerequisite: ENG-1052 and ENG-1310 or ENG-2171 or ENG-2172 or ENG-2281 or ENG-2282 or ENG-2321 or ENG-2322 or ENG-2510.

In this investigation of English romanticism, student engage in close readings of poetry and prose by the major writers in the tradition: Blake, Wordsworth, Coleridge, Byron, Shelley, Keats and Mary Shelley. (Spring semesters, odd years)

ENG-3390 Literature of the Grotesque

3 credits

Prerequisite: ENG-1052 and ENG-1310 or ENG-2171 or ENG-2172 or ENG-2281 or ENG-2282 or ENG-2321 or ENG-2322 or ENG-2510.

This course includes historical, literary, philosophic and aesthetic approaches to the grotesque, especially examining the mix of humor and horror so essential to the genre. Rabelais, Swift, Poe, Dostoevski, Baudelaire, Beckett, Nathanael West and Flannery O'Connor, among others, will be studied, as well as slides of grotesque art works, from Hieronymous Bosch to Salvador Dali. (Spring semesters, even years)

ENG-3395 Satire in Literature

3 credits

Prerequisite: ENG-1052 and ENG-1310 or ENG-2171 or ENG-2172 or ENG-2281 or ENG-2282 or ENG-2321 or ENG-2322 or ENG-2510.

This course is an introduction to the vast and varied genre of satire, tracing origins to

Old Comedy and Roman Verse satire, tracing satire theory from classical models up through 20th-century structuralism and postmodern theory. We'll study Aristophanes, Horace and Juvenal, Menippean satire of Lucian and Petronius, bits of Rabelais, Chaucer, Donne, Butler and Marvell, as well as whole works from neoclassic masters Alexander Pope, John Dryden and Jonathan Swift. As satire has evolved in the last two centuries into a predominately narrative, not verse, form, we'll study a number of anti-utopian novels such as *Animal Farm*, *Brave New World*, *Memoirs From a Bathtub*, as well as view *Metropolis* and *Modern Times* as cinematic satires.

ENG-3405 Literary Journalism

3 credits

Prerequisite: ENG-1052

Students are expected to analyze and understand the techniques of journalistic prose that have led to memorable stories and columns. Among those studied are muckrakers such as Steffens and Woodward, war correspondents such as Pyle and Herr, commentators such as Lippmann and Broder, and many other literary journalists.

ENG-3480 Modern Literature

3 credits

Prerequisite: ENG-1052 and ENG-1310 or ENG-2171 or ENG-2172 or ENG-2281 or ENG-2282 or ENG-2321 or ENG-2322 or ENG-2510.

Students engage in close readings of representative works of major poets and fiction writers from the start of the 20th century to World War II. The course includes British and American writers such as Joyce, Yeats, Woolf, Eliot, Stevens, Faulkner and Hemingway. (Spring semesters, odd years)

ENG-3510 Contemporary Literature

3 credits

Prerequisite: ENG-1052 and ENG-1310 or ENG-2171 or ENG-2172 or ENG-2281 or ENG-2282 or ENG-2321 or ENG-2322 or ENG-2510.

Students read representative works of major poets and fiction writers from the end of World War II to the present. The course includes writers such as Lowell, Plath, Ginsberg, Bellow, Rich, O'Connor, Atwood, Morrison, and Carver. (Fall semesters, odd years)

ENG-3520 American Poetry

3 credits

Prerequisite: ENG-1052 and ENG-1310 or ENG-2171, ENG-2172 or ENG-2260 or ENG-2270, or ENG-2281 and ENG-2282 or ENG-2321 or ENG-2322 or ENG-2510.

An examination of important works by major American poets, including such representative poets as Whitman, Dickinson, Stevens, Eliot, Pound, Williams, and Moore, with special emphasis on the Americanness of American poetry, as distinct from other traditions. (Spring semesters, even years) (Shared course in VSC)

ENG-3530 American Novel

3 credits

Prerequisite: ENG-1052 and ENG-1310 or ENG-2171, ENG-2172 or ENG-2260 or ENG-2270, or ENG-2281 and ENG-2282 or ENG-2321 or ENG-2322 or ENG-2510.

An examination of novels by Americans in historical context, beginning with the first half of the nineteenth century, and including major works by novelists such as Hawthorne, Melville, Twain, James, Crane, Faulkner, Hemingway, and Fitzgerald. (Fall semesters, odd years) (Shared course in VSC)

ENG-3580 African American Literature

3 credits

Prerequisite: ENG-1052 and ENG-1310 or ENG-2171, ENG-2172 or ENG-2260 or ENG-2270, or ENG-2281 and ENG-2282 or ENG-2321 or ENG-2322 or ENG-2510.

An examination of the literary traditions of African-Americans, beginning with slave narratives and the oral tradition (as seen in popular song and folk tales) and including poetry, autobiography, and fiction by important African-American writers of the

twentieth century. (Fall semesters, even years) (Shared course in VSC)

ENG-3680 Linguistics and Language History

3 credits

Prerequisite: ENG-1052. Recommended: ENG-2281

This course examines the English language from a theoretical, developmental and practical perspective and is intended for students with a general interest in language and expression as well as those students preparing to teach language arts and literature at the secondary level. (Spring semesters, even years)

ENG-4010 Issues in Journalism

3 credits

Prerequisite: ENG-2051.

This course is a senior level seminar designed to lead students through an examination of current ethical problems and issues in journalism: truth vs. accuracy; information biases: problems of personalizing, dramatizing, reenacting and manipulating the news; image-making in politics, First Amendment vs. rights to privacy: naming names; photojournalism ethics; and the transformation of news into entertainment (the rise of images and the decline of meaning). (Spring semesters, odd years)

ENG-4110 The Form and Theory of Fiction

3 credits

Prerequisite: ENG-3130 or permission of instructor.

This study of novels and short stories focuses on their structure and on the ideas that give life to that structure. It is a workshop-oriented course primarily for writers, and much of the criticism read has a practitioner's focus. Topics include the form of the novella, tone and texture in the contemporary short story, and the novel as memoir. Major fiction by American and European writers is studied, along with representative novels and short stories by non-western and third world writers. (Spring semesters, odd years)

ENG-4120 The Form and Theory of Poetry

3 credits

Prerequisite: ENG-3120 or permission of instructor.

This course examines the theoretical writings of 19th and 20th century poets on the process of poetic creation. Theories about the source of inspiration, the origin of poetic structure and technique, the relationship between theory and practice, the responsibilities and uses of poetic imagination, and the relationship between artist and society are explored. (Fall semesters, even years)

ENG-4130 The Form and Theory of Nonfiction

3 credits

Prerequisite: ENG-1052. Recommended: at least one 3000-level writing course.

The structure and technique of creative essays are examined and analyzed, with stress on development and organization. Particular attention is paid to literary essays that have withstood the critical test of time and to modern essays that consciously strive to incorporate literary techniques. Discussion focuses on audience, allusion, research, patterns of development and organizing elements, as well as those literary techniques such as symbolism and irony that apply to non-fiction prose. (Fall semesters, odd years)

ENG-4150 Literary Criticism and Theory

3 credits

Prerequisite: ENG-1052, two literature surveys and one upper-level literature course.

This investigation of 20th century approaches to literary criticism and theory focuses on major "schools" of criticism and on the critics and theorists associated with them. Students develop a definitive, historical perspective on this kind of discourse, including the goals criticism and theory have striven to reach and the effects such discourse has had on the study of literature. Students are encouraged to draw upon their own inclinations as readers and

scholars, trying out some of these critical stances and evaluating their usefulness and their value to us as individuals and as members of various interpretive communities. (Spring semesters, odd years)

ENG-4160 Investigative Journalism
3 credits

Prerequisite: ENG-2051, 2052, and 3022. This course is designed to teach students best practices for in-depth reporting—reporting that goes beyond the immediate facts and official accounts. Students will learn to use public records, databases, and fieldwork to probe deeply into stories, with greater focus on the who, the why, and the overall context than is provided in the usual daily fare. Students will have a chance to grapple with complex stories that help define the political, social, and environmental realities of Vermont. Good investigative reporting, however, involves more than focused research techniques; students will learn how to hone analytical skills and to understand the legal and ethical issues involved in the craft. This class will emphasize stories that require planning, research, and clear goals towards greater understanding of important public issues.

ENG-4720 Seminar in Literature
3 credits

Prerequisite: ENG-1052, two literature survey courses and one upper-level literature course. Intended for upper-level English majors, this seminar examines in depth a particular author, literary movement, or literary theme. Students prepare intensive research-based seminar presentations and extended research papers. (Spring semesters, even years) (Shared course in VSC)

ENG-4920 Senior Thesis
3 credits

Prerequisite: Permission of instructor. A substantial writing project is required of students pursuing a B.F.A. in creative writing. Normally this project is completed during the final semester of the senior year. Students may work in any genre. The thesis

is optional for students pursuing a B.A. Consult the Writing and Literature faculty for detailed information about developing a thesis project, finding a thesis adviser and carrying out the project. (Repeatable for credit only when the second thesis is in a different genre than the first one.)

English as a Second Language Courses (ESL)

ESL-1010 Conversation and Listening Skills

3 credits

Prerequisite: None.

This course offers non-native speakers of English the opportunity to develop the oral linguistic skills needed for college study. Class presentations and language laboratory work are required.

ESL-1021/1022 Written Expression I/II

3 credits each

Prerequisite: ESL-1021 is a prerequisite for ESL-1022.

The objective of this course is to improve the writing of non-native English speakers. Through a review of grammar, syntax and semantics, this course attempts to develop college-level writing skills.

ESL-1031/1032 Understanding and Using English Grammar and Vocabulary I/II

3 credits each

Prerequisite: ESL-1031 is a prerequisite for ESL-1032.

The course will emphasize the correct usage of grammar and vocabulary in written and spoken English. Students will study intermediate level grammar and add more challenging and complex structures as the year progresses. The vocabulary component will focus on words essential for college students.

ESL-1040 Editing Lab

1 credit

Prerequisite: ESL-1021 or approval of instructor.

This lab will deal with specific language-related problems such as syntax, grammar and usage that appear in students' written work. Students will focus on writing and rewriting essays that have been submitted in other classes. The course is repeatable for credit and is designed to be taken in conjunction with a writing class or a class that is writing-intensive. Pass/No Pass grading only.

ESL-1050 Supplemental Instruction Bridge

1 credit

Prerequisites: 500 TOEFL score or ESL-1021/1022; and ESL-1031/1032.

Concurrent enrollment in core curriculum disciplinary exploration course.

The course focuses on the study skills necessary for students to master the content of a disciplinary exploration course that is centered on interpretive assignments in reading and writing and on complex, language-based content and information.

Course work will be dovetailed to the syllabus of the content course. The course may be taken for up to four times, provided that each bridge course corresponds to a separate main category of disciplinary exploration course work (i.e., arts and humanities; natural sciences; anthropology/sociology/psychology; political science/economics). Pass/No Pass grading only.

ESL-2910 Independent Study in English as a Second Language

1-12 credits

Environmental Science Courses (ENV)

ENV-1020 Introduction to Computers for the Sciences

2 credits

Prerequisite: None.

This course will focus on the use of the following software: Word® (word processing), Excel® (spreadsheet, database, graphics, and curve fitting), Netscape® (searching and downloading data and images), PowerPoint® (presentations), Illustrator® (figures and posters), and Photoshop® (image editing); and the following hardware: flatbed scanner, film scanner, film recorder, and standard computer hardware. (May not be taken for credit if MIS 101 taken for credit.)

ENV-1040 Introduction to Oceanography

3 credits

Prerequisite: None.

Oceanography is a broad and multi-disciplinary field in which many sciences are focused on the common goal of understanding how oceans work. This class is designed for the non-science major and will emphasize the role of basic scientific principles in the geological, biological, physical and chemical processes that govern the oceanic realm and how those oceanic processes affect the terrestrial realm. In addition, the connection between various oceanic processes and their impact on human existence and development will be explored. *Meets Part II.B.2. of the GECC.*

ENV-1050 Introduction to Earth Science

4 credits (with lab)

Prerequisite: None.

An introduction to earth systems and processes. Emphasis is on understanding the reasons for distribution patterns of minerals, rocks and continents, as well as on a basic understanding of the principles of geology, geomorphology, meteorology and climatology. This course is suggested as a beginning course for students in the environmental sciences major. *Meets Part II.B.2. of the GECC.*

ENV-1060 FYS: Nuclear Power and Society
3 credits

Prerequisite: Open to first-year students only.

This introductory, interdisciplinary course will examine several aspects of nuclear power. Students will be introduced to the basic science behind nuclear power (unstable isotopes, mining, nuclear power plants, and waste disposal), the environmental and biological effects of the use of nuclear power, our economics and politics of nuclear power, and the use of nuclear weapons throughout the world. Guest speakers will be invited to make presentations; field trips will allow students to engage activities, business, and legislators in discussions related to nuclear power; some of the class time will be devoted to the use for computer technology to develop presentations (i.e., Adobe Illustrator, MS PowerPoint, MS Excel, and MS Word). *This is a first-year seminar course and meets the First-Year Seminar requirement of the GECC.*

ENV-1110 Introduction to Environmental Problems
3 credits

Prerequisite: None.

A survey of the relationship between living things and the environment and the environmental issues that arise from their interaction, with particular emphasis on the impact of and on human beings.

ENV-2050 The Natural History of Vermont
3 credits

Prerequisite: None.

The historical development of the geology, weather, wildlife, and vegetation of Vermont. Field work required. (Shared course in VSC)

ENV-2810/4810 Internship in Environmental Science
1-12 credits

ENV-2910/4910 Independent Study in Environmental Science
1-12 credits

ENV-3010 Land Use Planning
3 credits

Prerequisite: ENV-1110 and junior or senior standing.

This course covers the nature and characteristics of the land base and constraints on land use. It also looks at the institutional framework and techniques of land use control and planning. Topics such as the use of zoning, easements, variances and subdivisions are discussed.

ENV-3020 Environmental Law
3 credits

Prerequisite: POS-1020 or 1010, ENV-1110. Juniors and seniors only.

An examination of the legal profession's involvement in management of natural resources. Students analyze major court decisions, federal and state statutes, federal rule-making procedures and administrative hearings.

ENV-3030 Water Resources
3 credits

Prerequisite: ENV-1110, ENV-1050, and CHE-1031.

This course provides a comprehensive look at global and U.S. water resources by a detailed examination of the hydrologic cycle, precipitation distribution patterns, and water quantity and quality. Both surface and ground water sources are examined, as are various water uses and conflicts.

ENV-3040 Energy and Mineral Resources
3 credits

Prerequisite: ENV-1110, ENV-1050.

This course considers the extent and geographical location of our mineral and energy resource base. It looks at the historical developments, changes through time, current usage and environmental impacts of resources use. Geological constraints, transportation, pricing policies, shortages, governmental

regulations and pollution problems are some of the topics covered.

ENV-3130 Environmental Geology
4 credits (with lab)

Prerequisite: ENV-1050.

Environmental geology focuses on the relationship between people and the physical environment. This course will expose students to hazardous earth processes such as floods, seismic activity, landslides, volcanic activity and coastal threats. A limited understanding of soil formation, soil texture, porosity and permeability is of utmost importance to environmental issues and will also be addressed in this course.

ENV-3150 Toxic and Solid Waste Management
3 credits

Prerequisite: ENV-1110, 1050, and CHE-1031.

An investigation of the problems associated with the handling and disposal of wastes, both ordinary solids and those that are hazardous and radioactive. The course looks at topics such as waste disposal methods currently utilized; the laws and regulations governing transport, storage and disposal of toxic substances; how and where disposal can best be accomplished; the costs involved and who pays them; and how great a risk such materials pose to human health and the environment.

ENV-3160 Coastal and Marine Resources
3 credits

Prerequisite: ENV-1110, ENV-1050.

This course examines the physical, chemical, biological and geological processes of the world's oceans and how these processes interact to provide resources. Utilization of marine pollution, coastal and resources use of wetlands and coastal development are discussed.

ENV-3210 Current Topics in Environmental Science
1 credit

Prerequisite: None.

A number of current environmental topics will be explored in a seminar setting with a presentation by a speaker or panel followed by time for discussion. Presenters will be researchers or practitioners in environmental science. Students will keep a journal of all presentations. May be repeated for a maximum of **3 credits**.

ENV-3220 Environmental Interpretation
3 credits

Prerequisite: Competence in the natural sciences. Not open to first-year students.

An introduction to the principles and methods of environmental interpretation which considers effective communication in formal and informal settings. Topics include use of interpretive media, displays, descriptive information, conducted trips and interpretive talks.

ENV-3230 National Parks and Wilderness Management
3 credits

Prerequisite: ENV-1110. Not open to first-year students.

This study of national parks and wilderness area management covers the historical, functional, ecological and evolutionary aspects of these areas. Special attention is directed to the significance of these areas in the modern world and the management options offering the best chances of meeting both the needs of users and protecting the resource.

ENV-3240 Fundamentals of Soil Science
4 credits (with lab)

Prerequisite: CHE-1031. Not open to first-year students.

An introduction to the formative processes of soils, their organic and inorganic constituents, and physical properties. Topics include weathering processes and the role of climate and vegetation in development of soil types. Textural and

structural analysis of soils, retention and movement of soil water, and soil management practices are also covered.

ENV-3250 Meteorology and Climatology

4 credits (with lab)

Prerequisite: CHE-1031.

This course provides a comprehensive look at the processes that interact together to form various types of weather and weather-related phenomena. The major processes that are explored include the composition of the atmosphere, atmospheric pressure and pressure gradients, atmospheric warming and cooling, atmospheric moisture and cloud formation, air movement and frontal boundaries along with a description of severe weather events such as hurricanes and tornadoes. This course also examines the link between weather and climate and how we can utilize past climate change along with current weather patterns to make predictions for future climate change.

ENV-3310 Applications in GIS

4 credits (with lab)

Prerequisite: Open to juniors and seniors only.

Geographic Information Systems (GIS) have been designed as electronic ways to store large volumes of data. In the environmental field, GIS systems have become a very important tool for storing environmental data, as a way to produce maps and encode valuable information and data about map features that can be readily accessed for environmental projects. This class is designed to give students in the environmental field and other science disciplines a working knowledge of how GIS systems are compiled and utilized.

ENV-4010 Global Environmental Issues

3 credits

Prerequisite: ENV-1110. Open to juniors and seniors only.

This seminar focuses on international environmental issues such as destruction of the tropical rain forests; ozone depletion;

international movement of endangered species, pelts and live animals; the increasing transport of inadequately tested pharmaceuticals and pesticides; and the export of toxic waste from industrial to less developed countries.

ENV-4020 Remote Sensing

4 credits (with lab)

Prerequisite: ENV-1050. Juniors and seniors only.

This course introduces the basic principles on which remote sensing is based. Aerial photographic interpretation and photogrammetry are studied as well as interpreted images from non-photographic sensors (such as satellite images). The two-hour lab is designed to provide a hands-on approach to such applications as air photo interpretation, land-use/land-cover mapping, geological and soil mapping and geographic information systems (GIS).

ENV-4710 Special Topics in Environmental Science

1-3 credits

ENV-4720 Senior Thesis

3 credits

Prerequisite: Senior Standing.

The Senior Thesis requires students to conduct an individual research project, write a thesis, conduct an oral presentation and prepare a paper for publication. This capstone course allows the student to combine the skills and knowledge gleaned from previous courses with a self-designed research project that requires the student to ask a good question, develop appropriate techniques, and conduct appropriate research. The research topic is to be chosen by the student in consultation with a member of the faculty. A thesis outline must be submitted to the supervising faculty member (or members) prior to commencement of research. This type of practical, hands-on experience may be conducted at locations off campus, in conjunction with a work-study project, internships, or on campus research. The project must be completed within two semesters.

ENV-4730 Senior Seminar 3 credits

Prerequisite: Senior standing.
Through this seminar, students have an opportunity to apply what they have learned by developing and completing a library or field research project under faculty guidance. The project culminates in an oral presentation and a final research paper or project report.

French Courses (FRE)

FRE-1111/FRE-1111L French I Class 3 credits; Lab 1 credit

Prerequisite: None. Corequisite: Coinciding lab.

This is the first course in a two-semester sequence. It is a comprehensive program appropriate for true beginners as well as those with one to two years of secondary French. Students develop listening, speaking, reading, and writing skills and are introduced to French and francophone culture and civilization. This course requires work in a language laboratory in addition to regular class meetings. This shared course may have different prerequisites at the other VSC colleges. *Meets Part II.A.2. of the GECC.* (Shared course in VSC)

FRE-1112/FRE-1112L French II Class 3 credits; Lab 1 credit

Prerequisite: Two years of high school French or FRE-1111 or permission of instructor.

The second semester of this introductory level course continues to build on basic skill with further development of cultural, aural, written, speaking, and reading skills. This course requires work in a language laboratory in addition to regular class meetings. This shared course may have different prerequisites at the other VSC colleges. *Meets Part II.A.2 of the GECC.* (Shared course in VSC)

FRE-2011/FRE-2011L French III Class 3 credits; Lab 1 credit

Prerequisite: Three years of high school French or FRE-1112 or permission of instructor.

This is the first semester of an intermediate program designed to review material obtained either after three or more years of secondary French or after introductory college level French. Further development of listening, speaking, writing, reading, and cultural skills, in a French and francophone context. This course requires work in a language laboratory in addition to regular class meetings. *Meets Part II.A.2. of the GECC.* (Shared course in VSC)

FRE-2012/FRE-2012L French IV Class 3 credits; Lab 1 credit

Prerequisite: Four years of high school French or FRE-2011 or permission of instructor.

Continued study of French grammar, vocabulary, and syntax. Further development of oral proficiency. The course will include practice in directed composition and informal oral and written reports. This course may require work in a language laboratory in addition to regular class meetings. *Meets Part II.A.2. of the GECC.* (Shared course in VSC)

FRE-2910/4910 Independent Study in French 1-12 credits

FRE-3010 Culture and Civilization through Correspondence and Conversation 3 credits

This course is intended for students at the intermediate level. It is also intended for students wishing to get their minor in French. Based on the Cultura Project at MIT, this class pairs JSC students with Canadian students studying English at their Cegep in Terrebonne, Quebec. An email correspondence over the semester allows students to explore a wide range of topics such as food ways, family, current issues, holidays, heroes, and health care. JSC students write in English and Quebec

students write in French. This native language use on questionnaires and in correspondence offers cultural nuances to be fully expressed. This cross-cultural approach offers learners a chance to observe, compare, and analyze similar materials from two target cultures. Within the classroom setting, students discuss their reactions and observations all in French, the target language. A home-stay immersion experience in Quebec may be included. May be repeated for credit.

Geology Courses (GEY)

GEY-3110 Hydrogeology

4 credits (with lab)

Prerequisite: ENV-1050.

This is an applied hydrogeology course with lecture, laboratory, and field experience. Course material includes qualitative and quantitative treatment of the hydrologic cycle, ground water flow, well hydraulics, water quality, and water resource issues. (Shared course in VSC)

GEY-3120 Field Geology

4 credits (with lab)

Prerequisite: ENV-1050.

This course introduces the student to the ways in which sedimentology, stratigraphy and structural geology are applied to situations regarding the interpretation of ancient environments and orogenic belts. Knowledge gleaned from this work is applicable to mining, civil engineering and groundwater pollution.

GEY- 4910 Independent Study in Geology

1 -12 credits

History Courses (HIS)

NOTE: Upper-level (3000-4000) courses in History are offered on a rotating basis, generally every other year.

HIS-1030 FYS: The Hidden History of Vermont: Class, Ethnicity, and Gender

3 credits

Prerequisite: Open to first-year students only.

This first-year seminar will provide students with a new, more diverse perspective on the history of class, ethnicity, and gender in Vermont and their place within it. Students will begin by discovering their own history in terms of class, ethnicity, and gender and then broaden their perspective to include the larger world of JSC, Lamoille County, and the state of Vermont. Guest speakers will provide students with first-hand information of how class, ethnicity and gender shape the experiences of Vermonters. *This is a first-year seminar course and meets the First-Year Seminar requirement of the GECC.*

HIS-1101 FYS: Truthiness 101: A Brief History of Consumer Culture

3 credits

Prerequisite: Open to first-year students only.

"Truthiness" is a term that television comedian Stephen Colbert popularized in 2005. He used it to describe things that a person claims to know intuitively or "from the gut" without regard to evidence, logic, intellectual examination, or actual facts. The overarching goal of this class is to explore some of the "truthiness" of the economic world we inhabit. How did buying, selling, shopping, and advertising become such integral elements of 18th- and 19th-century European life? What effects did the proliferation of consumer culture have on social relationships and identity? How did intellectuals strive to make sense of the changes they saw around them? What lessons, if any, can we take from this history for understanding our own situation? *This is a first-year seminar course and meets the First-Year Seminar requirement of the GECC.*

HIS-1111 World History I

3 credits

Prerequisite: None.

An introduction to the world's major civilizations: Ancient Mediterranean (Egypt, Mesopotamia, Palestine, Greece, Rome); European; South Asian (India, Pakistan and Bangladesh), East Asian (China, Korea and Japan), African; Islamic and Mesoamerican from their origins to the time of the global expansion of European civilization. *Meets Part II.A.2. of the GECC.* (Shared course in VSC)

HIS-1112 World History II

3 credits

Prerequisite: None.

The continuing development of the world's major civilizations: European/American, South Asian (India, Pakistan and Bangladesh), East Asian (China, Korea and Japan), African, and Islamic from the time of European global expansion to the present, with particular attention given to the problems and challenges of globalization. *Meets Part II.A.2. of the GECC.* (Shared course in VSC)

HIS-1211 American History I

3 credits

Prerequisite: None.

A survey of the major events in American history from pre-colonial days to the time of the Civil War and Reconstruction. Students will examine forces behind these events, and their social, cultural, economic, and political implications for the American people and the new nation. *Meets Part II.A.2. of the GECC.* (Shared course in VSC)

HIS-1212 American History II

3 credits

Prerequisite: None.

Survey of the major events in American history from Reconstruction to the present, with an emphasis on understanding the social, cultural, economic, and political factors in the emergence of the United States as a dominant world power. *Meets Part II.A.2. of the GECC.* (Shared course in VSC)

HIS-2140 The Civil War

3 credits

(available through EDP)

Prerequisite: None.

This course explores the causes and effects of the Civil War, focusing on issues important both then and now, such as states' rights, the treatment of blacks and minorities, a political Supreme Court and reactions to the war. (Shared course in VSC)

HIS-2210 Women in U.S. History

3 credits

Prerequisite: None. Recommended: HIS-1211, 1212.

An examination of the changing role and important contributions of women in American history. Well-known figures, such as Abigail Adams, Elizabeth Cady Stanton, and Jane Adams, are treated, as well as those less prominent. (Spring semester, even years) (Shared course in VSC)

HIS-2810/4810 Internship in History

1-12 credits

(Shared course in VSC)

HIS-2910/4910 Independent Study in History

1-12 credits

HIS-3020 Greek and Roman History

3 credits

Prerequisite: None. Recommended: HIS-1111, ENG-2171.

A study of the political, social, economic and cultural achievements of Greek and Roman civilizations. Topics include the emergence of the Greek city-state, Athens in the 5th century, the Hellenistic world, Republican Rome and the rise and fall of the Roman Empire.

HIS-3040 Ancient Civilizations of the New World

3 credits

Prerequisite: None.

This interdisciplinary course traces the indigenous development of civilization in the Americas from the time of the first settlers over 10,000 years ago, through the development of agriculture and towns, to

the advanced civilizations that were destroyed by European colonialism in the sixteenth century. Although we will focus on the civilizations of Mexico and Central America, the high cultures of South America and southern North America will be investigated as well. *Meets Part III of the GECC.*

HIS-3050 Community in America
3 credits
(available through EDP)

Prerequisite: None

This course is designed to help non-traditional students, who understand the historical and personal dimensions of the questions posed by Bellah and others: how ought we to live, how do we think about how we live, who are we as Americans, and what is our culture? It further explores the inter-relationships between individuals and institutions, with special emphasis on the concept of civic virtue.

HIS-3060 Church and State in America
3 credits
(available through EDP)

Prerequisite: None. Recommended: HIS-1211, 1212.

This course will examine the dynamic interactions of religion and public policy in American history that have shaped the shifting boundaries of our freedom of religion and our freedom from religion.

HIS-3080 Colonial America: History and Life
3 credits

Prerequisite: None.

This course provides an examination of major aspects of colonial life and the important political and economic events of the period from the early 17th century through 1789. Attention is paid to the establishment of colonies, lifestyles in various parts of the colonies, the American Revolution and efforts to form a new government after the Revolution, and elements of colonial history and life which form part of our heritage. (Fall semesters, odd years)

HIS-3141/3142 History of the United States in the Twentieth Century I, II
3 credits each

Prerequisite: None.

This examination of American response to the problems of the 20th century pays particular attention to the Progressive Movement, the 1920s, the New Deal, Harry S. Truman and the Cold War, and the Kennedy-Johnson era. First semester: 1898-1945; second semester: 1945-present.

HIS-3160 Vermont's Coastal Regions
3 credits
(available through EDP)

Prerequisite: None.

This course explores, compares and contrasts the social, political and cultural dimensions of the history of Vermont's major watershed areas. Special emphasis is placed upon the cultural concepts of "Greater Vermont" and the Western and Eastern Unions of the late 1700s.

HIS-3165 Vermont History
3 credits

Prerequisite: None.

This course examines the Vermont political tradition and explores why Vermonters, such as Senator George Aiken, have had such influence at the state and national level. (Shared course in VSC)

HIS-3225 Latin America: Mexico to Chile; History, Politics, Cultures
3 credits

Prerequisite: Junior standing.

Before the Europeans and through the Spaniards, the British/French, the Soviets and the USA, the turmoil and the angst of a continent as it lurched from communism, to socialism, to exploitative and merciless capitalism; from Liberation Catholic Theology to the arrival of Protestantism; from the domination of ethnic Europeans to the domination of Indians; from a western-oriented world view to developing one of their own; from cash crops to cocaine; from political dictatorships to drug cartels; and so on.

HIS-3250 Europe in the Middle Ages 3 credits

Prerequisite: HIS-1111.

A study of the political, social, economic and cultural development of Europe from the fall of the Roman Empire to the Age of Humanism. Emphasis is on the growth of institutions and social change.

HIS-3270 Renaissance and Reformation 3 credits

Prerequisite: HIS-1111 or HIS-1112.

This course examines Europe from the fifteenth century to the Peace of Westphalia, including the intellectual and cultural movements, the development of the national states, exploration and colonization, and the Protestant and Catholic Reformation. (Fall semesters, odd years)

HIS-3311 Europe in the 19th Century 3 credits

Prerequisite: HIS-1111 or HIS-1112.

This course examines political, social, and cultural developments in the history of Europe in the 19th century. It focuses particular attention on changes in the social order, especially the role of women, workers, and peasants; on structures of economic power and political ideology, and on the cultural transformations that accompanied the emergency of mass movements, urban life, and consumerism. It seeks to understand the dual phenomena of nationalism and modernization, as well as the impulses that fed Europe's obsession with empire.

HIS-3312 Europe in the 20th Century 3 credits

Prerequisite: HIS-1112. Recommended: HUM-2040 or one upper-level European history course.

This course covers the development of Europe since 1914, stressing the two world wars in their international context and the phenomena of communism and fascism.

HIS-3350 Struggle for Democracy 3 credits

(available through EDP)

Prerequisite: None.

Democracy traces its roots to ancient Athens, but rarely appeared in subsequent centuries. This course will examine the development of democratic theory and practice through a close examination of the pertinent writings of both its proponents and critics including: Plato, Aristotle, Montesquieu, Machiavelli, Locke, Rousseau, Mill, Tocqueville, Marx, Madison and others.

HIS-3351 English History to 1714 3 credits

Prerequisite: HIS-1111 and 1112 or permission of instructor. Recommended: ENG-2282.

A survey of the political, social, economic, and cultural development of England, Scotland, Wales and Ireland from the earliest times to 1714. Emphasis is on the origins and growth of democratic attitudes and institutions. (Fall semesters, odd years)

HIS-3352 English History Since 1714 3 credits

Prerequisite: HIS-1111, 1112 or permission of instructor. Recommended: ENG-2282.

A survey of the political, social, economic and cultural development of Great Britain since 1714. Emphasis is on the origins and growth of democratic attitudes and institutions and the rise and fall of the British Empire. (Spring semesters, even years)

HIS-3370 Nationalism and Rebellion in Irish History 3 credits

(available through EDP)

Prerequisite: None.

The study explores events and topics in Irish history from 1600 to present including an examination of resistance to English rule, republicanism and reaction, emancipation and repeal, famine and mass emigration, the development of Irish nationalism and national identity, literary

renaissance, separation and civil war, and the northern crisis.

HIS-3420 French Revolution
3 credits

Prerequisite: None.

An examination of the French Revolution of 1789, the modern democratic revolution that profoundly changed not only French society but also transformed Europe and gave birth to modern nationalism and continuing movements for social-political reform and revolution. (Fall semesters, odd years) (Shared course in VSC)

HIS-3430 History of the Soviet Union
3 credits

Prerequisite: None.

The Revolution of 1917 and the emergence of the Communist state are stressed with emphasis on the internal problems and conflicts and the development of the Soviet Union as a world power. Students research individual topics and gain an understanding of the conflicts that dominate the contemporary political scene.

HIS-3450 Women in European History
3 credits

Prerequisite: HIS-1111, HIS-1112, or ENG-2510.

A study of the changing role of women in European history is offered from the end of antiquity to the 20th century. Topics include women in public and private life, the economic and legal position of women, and the changing role of women in society.

HIS-3510 Chinese History and Culture
3 credits

Prerequisite: None.

An introductory survey of Chinese history and culture from early China to today. Topics will include arts and religion, the dynastic system and empire, major movements for reform and revolution, and China's international interests. (Shared course in VSC)

HIS-3520 Japanese History and Culture
3 credits

Prerequisite: None.

An introductory survey of Japanese history and culture from ancient times to today, including the formation and growth of the Japanese state, arts and religion, the influence of Chinese culture and Western pressure, and Japan's international interests. (Shared course in VSC)

HIS-4010 History of the Middle East
3 credits

Prerequisite: None.

This course sweeps through the Middle East from the ancient times to the present.

HIS-4730 Seminar in Historical Communication
3 credits

Prerequisite: Senior standing or permission of the instructor.

Students will read, write on and discuss major works in the general field of history. In addition, students are expected to participate actively in class discussions and to focus on how and why things happened, not merely on what and when.

HIS-4740 Seminar in Historical Investigation
3 credits

Prerequisite: Senior standing or permission of the instructor.

This course is designed primarily for history majors and serves as the culmination to an undergraduate history program. Students will work intensively on a project of their own choosing, mastering the essential steps in historical research and writing. A final paper, representing a substantial piece of research, will then be submitted to the student's peers and to the faculty members of the department. A formal presentation is also required.

Hospitality and Tourism Management Courses (HTM)

HTM-1010 Survey of Hospitality and Tourism **3 credits**

Prerequisite: None.

This course develops and explores the structure and components of the tourism and hospitality industry. This section will focus primarily on the lodging and food service segments of the industry. Industry leaders will join the class for discussion throughout the semester. Students will be expected to explore, in detail, a major lodging or food service company. Students will also be assigned an industry mentor who they will meet with every week during the semester. (Fall semester)

HTM-2010 Ecotourism **3 credits**

Prerequisite: None.

This course is designed to inspire students from many different disciplines to explore issues of sustainability through low impact tourism businesses. In this course students will explore the exploding field of ecotourism. Students will learn about the major issues facing tourism professionals, governments, and local communities in creating sustainable ecotourism opportunities. Ecotourism geography, the design of ecolodges, educational programming, and native cultures are woven into the fabric of this course. (Fall semester)

HTM-2020 Introductory Internship in HTM **1-4 credits**

Prerequisites: HTM-1010.

This internship is designed to introduce the student to an entry-level position in the tourism and hospitality industry. Students are required to work a minimum of 150 hours per credit hour over a minimum of 10 weeks at an approved internship site. Students are also required to complete a set

of educational requirements in order to successfully complete the internship.

HTM-2910/4910 Independent Study in Hospitality and Tourism Management **1-12 credits**

HTM-3010 Food and Beverage Management **3 credits**

Prerequisites: HTM-2020 or permission of the instructor.

This course introduces the student to all areas of restaurant management. Students will learn menu development and planning, proper ordering, receiving, and inventory practices, and food production management techniques. Students will explore the issues of concept development, kitchen design, and space allocations. Student teams will develop a restaurant concept and design during the course of the semester. Students will develop and supervise a variety of food service events during the course of the semester. (Spring semester)

HTM-3040 Cost Control **3 credits**

Prerequisite: HTM-2020 or permission of instructor.

This course introduces the student to the important subject of internal control. Two-thirds of a food service organization's revenues are consumed by food, beverage, and labor costs. Students will explore techniques to identify, monitor, and adjust these major cost areas.

HTM-3050 Supervision and Training **3 credits**

Prerequisite: HTM-2020 or permission of instructor.

This course will explore, in detail, a variety of skill areas required of hospitality managers to successfully train and supervise people involved in delivering services and products to guests. (Spring semester)

HTM-3110 Lodging and Resort Operations

3 credits

Prerequisites: HTM-2020 or permission of the instructor.

This course introduces the student to the operation and management of a wide variety of lodging and resort facilities. The student will explore, in detail, front desk operations, housekeeping, reservations, as well as other lodging property departments. Strategic management is at the center of this course. (Fall semester)

HTM-3130 Hospitality and Tourism Law and Ethics

3 credits

Prerequisite: Senior standing.

The objective of this course is to familiarize the student with the general law and legal precedents and cases pertaining to the tourism and hospitality industry. The student will be exposed to contract law, discrimination, negligence, employment law, food and liquor liability, licensing and regulations, and travel law. Ethics in the tourism and hospitality industry is integrated throughout the semester. Students will analyze a variety of cases during the semester. (Spring semester)

HTM-3140 Hospitality Technology

3 credits

Prerequisites: HTM-2020 or permission of the instructor.

This course introduces the student to the hardware and software technology present in lodging operations today. Students will explore integrative property management systems and yield management systems. Students will also develop, design and build a hospitality-related website during the semester.

HTM-3150 Event Management

3 credits

Prerequisite: HTM-1010; BUS-2230

This course focuses on travel and tourism in Vermont. The course begins with an exploration of the history of travel and tourism in Vermont beginning in the 1800's. From this foundation the student

learns about the infrastructure of the industry as it exists today. We explore the intricate relationship between state government and local government and non-governmental agencies and associations. This course gives the student the opportunity to learn through hands-on research and direct interaction with industry professionals. The student is also expected to volunteer in a local or state tourism business for at least 50 hours during the semester. (Spring semester)

HTM-3210 International Travel and Tourism

3 credits

Prerequisite: HTM-2010, HTM-3150.

This course takes students on a journey through time and space exploring the past, the present, and the future of international travel and tourism. Students will be exposed to this international industry through a variety of learning activities including the planning, preparation and serving of an authentic international meal, case studies, working with an organization focused on international travelers, and conducting research on an emerging trend in international travel and tourism. (Spring semester)

HTM-3220 Hospitality and Tourism Marketing Seminar

3 credits

Prerequisites: HTM-2020; BUS-2230.

This course is designed to provide the student with the basic knowledge and practical experience necessary to develop strategic marketing plans for the hospitality industry. Significant in-class discussion, case study analysis, and outside-of-class group work are utilized. (Spring semester)

HTM-3230 Facility Planning and Design

3 credits

Prerequisites: HTM-2020 or permission of the instructor.

This course introduces the student to the basic design principles used to develop lodging and resort properties. Student

teams will plan and design a lodging facility for presentation to industry executives.

HTM-3710 Special Topics in Hospitality and Tourism

1-3 credits

Prerequisites: Permission of the instructor. Current issues and advanced subjects in hospitality and tourism management are explored to complement the regular HTM curriculum.

HTM-3810 Resort Management

3 credits

Prerequisite: Permission of the instructor. This course offers a hands-on study of those elements that a resort must have in order to compete for market share in a global economy. Topics covered include: infrastructure, super structure, destination development, destination marketing, market segmentation, and environmental impact. The student will travel to and learn about several resort facilities during the course of the semester.

HTM-3820 Intermediate Internship in HTM

1-4 credits

Prerequisite: Successful completion of HTM-2020 or permission of the internship coordinator. This internship is designed to enhance and expand on the experience achieved in the introductory internship. Students are required to work a minimum of 150 hours per credit hour over a minimum of 10 weeks at an approved internship site. Students are also required to complete a set of educational requirements in order to successfully complete the internship.

HTM-3910 Leadership and Quality

3 credits

Prerequisite: HTM-2020; BUS-2410. This course is designed to explore advanced issues in human resource management. The focus of the course will be on leadership, diversity, total quality management, and other contemporary human resource issues facing hospitality and tourism managers today. The course is

designed to reflect an executive management seminar. Knowledge of the material and discussion participation are vital to achieving the course objectives. (Fall semester)

HTM-4720 Hospitality and Tourism Senior Seminar

3 credits

Prerequisites: Senior Status. This senior seminar is the capstone of the HTM program. This course focuses on two major topics: striving to achieve service excellence and developing a career portfolio. The student will research and present for class discussion information on a variety of topics: customer satisfaction, service guarantees, employee empowerment and employee reward systems, employment testing, and creating customer loyalty. Students will also develop their own career portfolio for presentation at the end of the semester. (Fall semester)

HTM-4820 Supervisory Internship in HTM

1-6 credits

Prerequisites: Successful completion of HTM-3820 or permission of internship coordinator. This internship is designed to expose the student to hands-on, supervisory work experience in a tourism or hospitality organization. Students are required to work a minimum of 150 hours per credit hour over a minimum of 12 weeks at an approved internship site. Students are also required to complete a set of educational requirements in order to successfully complete the internship.

Humanities Courses (HUM)

HUM-1020 FYS: Cultivating the Cross-Cultural Mind

3 credits

Prerequisite: Open to first-year students only.

This first-year seminar course is an invitation to take a journey. It is a growth

challenge course, an invitation to develop a cross-culture-bound identity. First, we will explore the notion of culture and ourselves as cultural beings – our own voices, perceptions, attitudes, values, beliefs, and needs. After this self-exploration, we will sympathetically cross into other cultures, new terrains which must be entered on their own terms. Here, we will come to identify, understand, and appreciate certain features of other voices so that we may, as individuals, build our own bridges of understanding and uncover paths that connect us. *This is a first-year seminar course and meets the First-Year Seminar requirement of the GECC.*

HUM-1040 FYS: The Long Emergency and the Coming War
3 credits

Prerequisite: None.

The USA has defeated two of its great enemies in the Middle East: Communism/socialism and secular nationalism. Now it is in the greatest fight of all—against radical Islam. Or is it a fight against the religion of Islam and the Arab ethnic group? Or are these in rebellion against the USA/EU because they seek global hegemony? This is now called the War on Terror. What are the bases for this war? What is terrorism? Why are the Muslims/Arabs fighting this tremendous western power? What is Islam? What is Judaism? What is Eastern Christianity? How are these involved? PLO? Hamas? Hizballah? 9/11? Oklahoma bombing? Osama bin Laden? A war without end? etc. *This is a first-year seminar course and meets the First-Year Seminar requirement of the GECC.*

HUM-1060 FYS: Culture, Heritage, and the Public: Encountering Our Collective Past
3 credits

Prerequisite: None.

Cultural heritage tourism is one of the great American growth industries. This freshman-level course will examine the history of heritage tourism, as well as modern place-based education (museums,

living history centers, theme parks, etc.). The course will also examine contemporary techniques such as digital presentation and persona-based living history experiences that are used to advertise and interpret local cultural history and geography. *This is a first-year seminar course and meets the First-Year Seminar requirement of the GECC.*

HUM-2810/4810 Internship in Humanities
1-12 credits

HUM-2910/4910 Independent Study in Humanities
1-12 credits

HUM-3010 Myth and the Modern Age
3 credits
(available through EDP)

Prerequisite: None.

Myths have appeared in every society since the appearance of the human race on earth. This course will examine recurrent mythological themes and their significance not only to their own time and place, but also to ours. Central to this study will be the role of the hero in various cultures. In the work of Joseph Campbell, one of the greatest scholars of comparative mythology, we will search for the "point of wisdom beyond the conflicts of illusion and truth ..."

HUM-3030 The Mythic Journey
3 credits
(available through EDP)

Prerequisite: None.

Human beings are rooted in stories and myths. To tell a story is to be grounded in the present while remembering the past and peering into the future. The course will enable each student to find meaning about the human experience as depicted in myths and about one's own life experiences as a mythic journey. This course can be used to fulfill the UPR requirement.

HUM-3040 Genesis**3 credits****(available through EDP)**

Prerequisite: None.

This course focuses on The Book of Genesis and explores its contemporary relevance. Themes of creation, temptation, violence and murder, punishment and righteousness, the perceived mission of select groups, family, truth and deceit, religious struggle and the displacement of people will be considered.

HUM-3110 Native American History and Culture**3 credits**

Prerequisite: None.

This course focuses upon the Native American experience in North America, using three distinct perspectives: historical ethnography, with its interdisciplinary emphasis on post-contact native culture; Native American literature, emphasizing oral and written traditions as well as myth and legends; and political science, which focuses on the sometimes troubled continent. Selected aspects of material culture, art history and other disciplines will also be incorporated.
Meets Part III of the GECC.

HUM-3115 Native American Worldview and Spirituality
3 credits

Prerequisite: None.

This disciplinary integration course will examine the world view of North America's aboriginal peoples from the disciplinary perspectives of comparative theology, anthropology, literature, and material culture (museum) studies. The geographic area covered in the course includes the Subarctic to the Southwest. The Euro-American stereotype of the Native American world view as circles and sweat-lodges denies the wonderful diversity and depth of First Nations philosophy. To see how spirit is woven through every aspect of First Nation material and political life, students will examine stories, decorative arts and ethnohistory. We will also

critically examine the component disciplines from a First Nations perspective, including the contentious issues of reburial and repatriation of sacred goods, Euro-American copyrighting of First Nations text, and New Age threats to First Nations spiritual sovereignty. *Meets Part III of the GECC.*

HUM-3120 The Abenaki and Their Neighbors**3 credits**

Prerequisite: None.

This course will focus upon the Abenaki experience in Northeastern North America, using three distinct Euro-American perspectives: historical ethnography, with its interdisciplinary emphasis on Abenaki culture; Abenaki literature/myth emphasizing oral and written traditions as well as myth and legends; political science, which focuses on the sometimes troubled relations between the Abenaki Peoples and Euro-American inhabitants of our continent. *Meets Part III of the GECC.*

HUM-3125 Religions of the World
3 credits

Prerequisite: None.

This course offers a comprehensive study that will include introductions and analyses from numerous fields of knowledge. The three western religions of Judaism, Christianity and Islam, plus animism and polytheism in Asia, Africa, Latin America and the Pacific Islands will be covered in the first half of the semester. The other great eastern religions of the Hindus, Buddhists, the great philosophy of the Confucianists, plus the relatively small religions of the Shintos, Taoists, Jainists, Sikhs, etc., will be covered in the second half of the semester. The geography, economics, and politics of the regions, as they relate to each religion, will be covered. Particular attention will be paid to the inequities and the discontent across the centuries and under various dynasties.
Meets Part III of the GECC.

HUM-3150 People and Cultures of the Middle East and North Africa
3 credits

Prerequisite: None.

This course encompasses the religions, history, and politics of these two regions, as well as general aspects of their cultures. We shall begin by studying the various histories of the Israelis, Arabs, Turks and Iranians. Then we will study the religions of Judaism, Eastern Christianity, and Islam, and various aspects of their cultures, such as food and holidays. Briefly we shall study the political aspects of the Arab-Israeli dilemma, as well as socialism and capitalism in the Middle East and North Africa. *Meets Part III of the GECC.*

HUM-3160 African Culture
3 credits

Prerequisite: None.

This course focuses on Africa's culture, history, economics, geography, politics, and religion, as well as the way the continent is interfacing with the modern world. The course will begin with a survey of Africa's history and then progress to discussion of other aspects of Africa. *Meets Part III of the GECC.*

HUM-3170 Popular Culture in America
3 credits

Prerequisite: None.

A consideration of the forms and functions of American popular fiction as reflectors and determinants of popular culture. Westerns, detective thrillers and sentimental romances are examined. *Meets Part III of the GECC.*

HUM-3310 Cultures Through Cuisine
3 credits

Prerequisite: None.

Brillat-Savarin, the famous 19th-century French writer and epicurean, said that if you told him what a man ate, he could tell you who he was. While perhaps less true today than when he spoke almost two centuries ago, the culinary habits of people still tell us a lot about who they are, where they come from, and what they believe. In

this course, we study the distinctive foodways of three societies while examining as well some of the globalizing forces which influence how everyone everywhere (especially in the United States) eats (or doesn't eat) in the modern world. *Meets Part III of the GECC.*

Interdisciplinary Courses (INT)

INT-2910/4910 Independent Study in INT.
1-12 credits

INT-3010 Natural Landscapes and Literature
3 credits

Prerequisite: Upper-division status, and completion of parts I and II of the General Education Core Curriculum (GECC). An interdisciplinary focus on nature preserves, national parks, and wilderness areas and on ways that people's conceptions of these natural environments have changed over time. Students will examine how writers, environmentalist, and naturalists describe these "ideal landscapes;" how they define their relationships to the land; and what they say people can do, as individuals and as members of groups, to protect the integrity of the natural environment and guarantee our access to it now and in the future. *Meets Part III of the GECC.*

INT-3045 The Bible: History, Literature, Spirituality
3 credits

Prerequisite: None.

The course is a group inquiry into the meanings and historical/cultural contexts of several books of the Old and New Testaments. Genesis, Exodus, Psalms, Job, The Gospel of Mark, and The Gospel of Matthew will be particularly emphasized. Texts which have been considered sacred carry a special charge. You should be prepared to be open to learning, discussing, and arguing with classmates, as well as with the teacher. You will be asked to examine

the gist and implications of concepts such as monotheism, the Chosen People, righteousness and its rewards, the Messiah, the Kingdom of God, forgiveness, the Day of Judgment, and, through discussion and a variety of mostly short writing assignments, to close the gap between what you read and yourself. *Meets Part III of the GECC.*

INT-3130 Compassion and You: An Introduction to Mahayana Buddhism
3 credits

Prerequisite: None.

Over centuries, since the inception of Buddhism, many different schools of Buddhism have developed. This course examines Mahayana Buddhism and its presentation of Buddhist philosophy and psychology. Unlike other spiritual traditions, Buddhism is a synthesis of philosophy, psychology and spirituality. Close examination of two of the greatest Buddhist literary works will be the focal point during this course to help lay the foundation for a clear understanding of Mahayana Buddhist thought. Students will explore Buddhist art, music, philosophy and meditation to enhance a full understanding of Buddhist practice and theory. *Meets Part III of the GECC.*

INT-3150 Gödel, Escher, Bach: An Eternal Golden Braid
3 credits

Prerequisite: Junior or senior standing and completion of GECC math.

An examination of the beautiful underlying relationships between logic, art and music, along with other treasures of western thought and culture. Students will read major portions of Douglas Hofstadter's book of the same name. *Meets Part III of the GECC.* (Fall semester, even years)

INT-3210 The Holocaust: An Interdisciplinary Approach
3 credits

Prerequisite: None.

This upper-level course, uses analytical frameworks drawn from history, political science, literary criticism, psychology,

sociology, philosophy and religious studies to explore the dimensions of the Holocaust (1933-1945) and to assess its lasting impact. *Meets Part III of the GECC.*

INT-4710 Special Topics in INT
3 credits

INT-4730 Topical Seminar: Peace and War
3 credits

Prerequisite: Upper-division status, and completion of parts I and II of the General Education Core Curriculum (GECC). An interdisciplinary inquiry into the roots of violence and nonviolence, this course will make use of historical, psychological, biological, and spiritual perspectives. Many of the questions we will address will have individual as well as societal and cultural resonance. Among them are: Why have wars been so prevalent and powerfully appealing in human history? Is peace just the absence of war or is it something more? What are the cognitive and emotional foundations for the expression of peace and harmony as compared with conflict? Specific areas of focus will include World War I, Gandhi in South Africa and India, and World War II. *Meets Part III of the GECC.*

Mathematics Courses (MAT)

MAT-0410 Fundamentals of Algebra
3 credits

Prerequisite: Two years of high school mathematics or PLM-0001.

This course provides basic mathematical literacy and competence in solving problems involving operations with the real numbers and elementary algebra. The instruction includes such topics as basic operations, algebraic expressions, equations, inequalities, problem solving, percentages, graphing, polynomials, and factoring. The course provides 3 credits on the transcript, but these may not be counted toward the 120 credits required for graduation.

MAT-1020 Intermediate Algebra **3 credits**

Prerequisite: At least two years of college-preparatory mathematics (preferably three) or PLM-0003.

This course offers a review of the fundamental concepts of algebra and an introduction to functions. The instruction includes such topics as exponents, radicals, inequalities, absolute value, scientific notation, variation, factoring, linear and quadratic equations, systems of equations, functions and graphs. This course prepares students for the study of pre-calculus. *Meets Part I.B. of the GECC.* (Shared course in VSC)

MAT-1070 Mathematics in our Culture **3 credits**

Prerequisite: Two years of high school mathematics or PLM-0001.

In this course students do extensive problem solving in groups, studying problems from a variety of areas, develop their skills at writing about mathematical ideas and problems and concepts, and research the lives and contributions of famous mathematicians. This is all done in a "user-friendly" environment which emphasizes the development of individual strengths and skills and reduces math anxiety. Topics include: the uses and limitations of inductive and deductive reasoning; different types of number sequences and their uses; the basic concepts of functions and graphing and the use of the TI-83 graphing calculator; and types of symmetry, culminating in a study of mathematical mosaics and regular and semi-regular polyhedra. *For students with a documented learning disability in mathematics, MAT-1070 may count as one of the two courses in mathematics required under the Fundamental Skills component of the GECC.*

MAT-1080 Introduction to Quantitative Reasoning **3 credits**

Prerequisite: Two years of high school math.

This course is intended to expand students' abilities to apply mathematics and logical reasoning in everyday life. Topics will include reading and interpreting graphs and tables, descriptive statistics, math of finance, estimation, and others. *Meets Part I.B. of the GECC.*

MAT-1090 FYC: Mathematical Puzzles Through History **3 credits**

Prerequisite: Open to freshmen only
Mathematics is a discipline about thinking; to a large extent, it is not about "numbers" at all. It is an art form that has a rich history stretching literally thousands of years; a history not only of solving puzzles, but of deciding which puzzles were worth the attention of the many scholars who attempted to solve them. This course seeks to examine some of the greatest "puzzles" of mathematics while putting them into a historical context. We will study some of the greatest mathematical ideas put forth by the human mind. *This is a first-year seminar course and meets the First-Year Seminar requirement of the GECC.*

MAT-1221 Finite Mathematics **3 credits**

Prerequisite: Two years of college preparatory mathematics or PLM-0003.
Recommended: MAT-1020 or MAT-2030.
This problem-solving course will focus on applications in business, finance, the social sciences, and human services. Topics may include set theory and symbolic logic, linear systems and programming, coordinate systems and graphic techniques, elementary matrix operations, probability, and math of finance. *Meets Part I.B. of the GECC.* (Shared course in VSC)

MAT-1320 Pre-Calculus **3 credits**

Prerequisite: Three years of college-preparatory mathematics or MAT-1020 or PLM-0003.
A study of the functions used in calculus, including the exponential, logarithmic and trigonometric functions. *Meets Part I.B. of the GECC.* (Shared course in VSC)

MAT-1531 Calculus I**4 credits**

Prerequisite: Four years of college preparatory mathematics or MAT-1320, PLM-0004, or MAT-1410.

A review of analytical geometry and introduction to the calculus of one variable. Topics include limits, derivatives of algebraic and transcendental functions, rates of change, optimization, curve sketching, elements of integration of algebraic and transcendental functions, area, volume, and practical applications in many fields. *Meets Part I.B. of the GECC.* (Shared course in VSC)

MAT-2030 Probability and Statistics**3 credits**

Prerequisite: Two years of college-preparatory mathematics.

This course, an introduction to the basic ideas and techniques of probability and statistics, is designed to prepare students to interpret quantitative information. Topics to be covered include descriptive statistics, probability, probability distributions and the normal distribution, and an introduction to inferential statistics, including estimation and hypothesis testing. *Meets Part I.B. of the GECC.*

MAT-2140 Modeling the Environment**3 credits**

Prerequisite: MAT-1320.

A first course in mathematical modeling, this course enables students to become proficient at applying some of the simpler mathematical models to practical situations. This course focuses on modeling interesting and important environmental problems, and includes models for business and finance and other areas. Students will acquire a working knowledge of the STELLA simulation programs. *Meets Part I.B. of the GECC.* (Spring semester only)

MAT-2532 Calculus II**4 credits**

Prerequisite: MAT-1531.

A continuation of MAT-1531. Includes techniques and applications of integration,

indeterminate forms and improper integrals, sequences and series. (Fall semester only) (Counted as upper level in the major) (Shared course in VSC)

MAT-2533 Calculus III**4 credits**

Prerequisite: MAT-2532.

A continuation of MAT-2532. Topics include the calculus of vector-valued functions, tangent vectors, velocity and applications, functions of several variables, partial derivatives, directional derivatives and gradients, extreme values and applications, and multiple integration. Additional topics may include line and surface integrals, parametric surfaces, and the theorems of Gauss, Green, and Stokes. (Spring semester only). (Counted as upper level in the major) (Shared course in VSC)

MAT-2810/4810 Internship in Mathematics**1-12 credits**

(Shared course in VSC)

MAT-2910/4910 Independent Study in Mathematics**1-12 credits****MAT-3030 Mathematics Methods for Secondary School Teachers****4 credits**

Prerequisite: MAT-2532 and 3210.

Contemporary secondary school mathematics curricula, their content and pedagogy. Students are expected to engage in individual/group tutoring outside of regular class meeting times for this course, as determined by the instructor. Required before EDU-4850 Secondary Practicum. (Offered upon request, as independent study)

MAT-3210 Linear Algebra**3 credits**

Prerequisite: MAT-1531.

An introduction to linear algebra. Topics include: matrices, determinants, systems of linear equations, vector spaces, linear transformations, applications of linear algebra, eigenvalues, and eigenvectors. (Fall semester only) (Shared course in VSC)

MAT-3240 Probability Theory with Statistics

3 credits

Prerequisite: MAT-2030 and MAT-2532.

An introduction to probability theory for students with a background in calculus.

Topics to be covered will include sample spaces, permutations and combinations, discrete and continuous random variables, probability density functions, the binomial distribution, the normal distribution and its use in approximating the binomial, curve fitting by least squares, and with numerous applications. (Fall semester, even years)

MAT-3310 Differential Equations

3 credits

Prerequisite: MAT-2532 or permission of the instructor.

A study of first- and second-order ordinary differential equations, many of their applications, and related topics.

(Fall semesters, odd years) (Shared course in VSC)

MAT-4130 Abstract Algebra

3 credits

Prerequisite: MAT-3210 or MAT-2120 or MAT- 2210, or permission of the instructor. Strongly Recommended: MAT-2532.

This course introduces the fundamental concepts of groups, rings, and fields.

(Spring semesters, odd years) (Shared course in VSC)

MAT-4140 Geometry

3 credits

Prerequisite: MAT-3210 or MAT-2120 or MAT-2210, or permission of the instructor. Strongly Recommended: MAT-2532.

The foundations of Euclidean geometry and an introduction to hyperbolic and Riemannian geometry. The historical and philosophical implications of the discovery of non-Euclidean geometry are examined.

Topics may include the contributions of Gauss, Hilbert, Saccheri, Bolyai, Lobachevsky, and others. (Spring semester, even years) (Shared course in VSC)

MAT-4710 Special Topics in Mathematics

3 credits

Prerequisite: MAT-2532 and MAT-3210, or permission of the instructor.

This course is offered to advanced students as circumstances warrant. Topics are identified based on student and faculty interests. (Shared course in VSC)

MAT-4930 Senior Project in Mathematics

3 credits

Prerequisite: Senior standing, prior completion of the core assessment examination, and at least 9 credits of approved electives for the mathematics degree.

This course is intended to give students the opportunity to engage in a significant capstone project in mathematics, allowing them to demonstrate the mathematical maturity they have attained from their work in the field. Each student's project proposal will require advance approval by the Mathematics Department and will culminate in a presentation to members of the mathematics faculty and other interested parties. All degree candidates in mathematics will be required to complete this experience satisfactorily.

Music Courses (MUS)

MUS-1015 Meet the Masters

3 credits

Prerequisite: None.

The goal of this course is to demystify and make accessible the world of classical music. We will develop some basic ideas and terminology with which we can discuss and share ideas about music. We will listen to the music in the context of the lives of the various composers and will use the above ideas and terminology to develop listening skills that will enable us to understand and, consequently, to appreciate and enjoy what we are hearing. *Meets Part II.A.3. of the GECC.*

MUS-1030 Music Fundamentals

3 credits

Prerequisite: None.

This is a course for beginning students interested in learning how to read and write music. Includes basic writing skills such as staff notation (pitch, rhythm, dynamic markings), and basic reading, ear training, and listening skills. *Meets Part II.A.3. of the GECC.*

(Shared course in VSC)

MUS-1050 Elementary Piano Class

2 credits

Prerequisite: None.

Students in this class learn basic keyboard techniques through group instruction. The fundamentals of musical theory and structure and fundamental keyboard harmony are also stressed. No prior instruction required. May be repeated for credit.

MUS-1051 Keyboard Harmony I

1 credit

Prerequisite: None. *Required concurrent enrollment with MUS-1061 & MUS-1231. This first semester of a four-semester sequence reinforces the student's understanding of theoretical concepts by requiring that they be applied to the keyboard.

MUS-1052 Keyboard Harmony II

1 credit

Prerequisite: MUS-1051 or permission of instructor. *Required concurrent enrollment with MUS-1062 & MUS-1232. This second semester of a four-semester sequence reinforces the student's understanding of theoretical concepts by requiring that they be applied to the keyboard.

MUS-1061 Ear Training I

1 credit

Prerequisite: None. *Required concurrent enrollment with MUS-1051 & MUS-1231. This first semester of a four-semester sequence is aimed at developing and establishing skills in interval recognition,

sight singing, solfege, and rhythmic, melodic, and harmonic dictation.

MUS-1062 Ear Training II

1 credit

Prerequisite: MUS-1061 or permission of instructor. *Required concurrent enrollment with MUS-1052 & MUS-1232. This second semester of a four-semester sequence is aimed at developing and establishing skills in interval recognition, sight singing, solfege, and rhythmic, melodic, and harmonic dictation.

MUS-1120 Applied Music Lessons

1 credit

Prerequisite: Prior experience and ability to read music.

Intensive private study in music through the performance of advanced concert repertoire. (Shared course in VSC)

MUS-1231 Music Theory I

3 credits

Prerequisite: MUS-1030 or permission of instructor. *Required concurrent enrollment with MUS-1051 & MUS-1061. Music Theory I is an intermediate theory course designed for music majors who already have a grasp of music fundamentals. The course includes form and analysis, and four-part harmony and voice leading. This course is a prerequisite for advanced classical or jazz/contemporary theory.

MUS-1232 Music Theory II

3 credits

Prerequisite: MUS-1231 or permission of instructor. *Required concurrent enrollment with MUS-1052 & MUS-1062. Music Theory II is a continuation of Music Theory I, with continued study of non-harmonic tones, figured bass and the musical.

MUS-2013 Jazz/Contemporary Music Theory III

3 credits

Prerequisite: MUS-1231 and MUS-1232 or permission of instructor. *Required concurrent enrollment with MUS-2111 & MUS-2211.

Following two semesters of traditional music theory, students who choose to study jazz/contemporary theory will build from the traditional foundation of music theory but will focus on advanced aspects of the jazz/contemporary idiom. Emphasis is placed on the use of standard notation combined with chord symbols in a "lead sheet" format. Composition will be a core ingredient of the course. This will allow the analysis of melody, harmony, rhythm, form and sound to be explored in a personal and creative way. Several techniques for jazz/contemporary composition will be covered in addition to the study of many classic jazz/contemporary performers.

MUS-2014 Jazz/Contemporary Music Theory IV **3 credits**

Prerequisite: MUS-2013 or permission of instructor. *Required concurrent enrollment with MUS-2112 & MUS-2212. This is a continuation of Jazz/Contemporary Music Theory III.

MUS-2023 Ear Training III **1 credit**

Prerequisite: MUS-1062 or permission of instructor. *Required concurrent enrollment with MUS-2053 & MUS-2313. This is a continuation of Ear Training II and continues the development and establishment of skills in interval recognition, sight singing, solfege, and rhythmic, melodic, and harmonic dictation.

MUS-2024 Ear Training IV **1 credit**

Prerequisite: MUS-2023 or permission of instructor. *Required concurrent enrollment with MUS-2054 & MUS-2314. This is a continuation of Ear Training III.

MUS-2040 Foreign Language Diction **2 credits**

Prerequisite: None.
This course is designed to provide students with the necessary tools to facilitate the pronunciation of all of the Indo-European languages encountered in the field of vocal

music. Students will be introduced to the symbols that comprise the International Phonetic Alphabet (IPA) and will then systematically apply these in the transliteration of texts.

MUS-2053 Keyboard Harmony III **1 credit**

Prerequisite: MUS-1052 or permission of instructor. *Required concurrent enrollment in MUS-2023 & MUS-2313. This is a continuation of Keyboard Harmony II.

MUS-2054 Keyboard Harmony IV **1 credit**

Prerequisite: MUS-2053 or permission of instructor. *Required concurrent enrollment in MUS-2024 & MUS-2314. This is a continuation of Keyboard Harmony III.

MUS-2111 Jazz/Contemporary Ear Training III **1 credit**

Prerequisite: MUS-1062 or permission of instructor. *Required concurrent enrollment in MUS-2013 & MUS-2211. Coinciding with Jazz Theory, this third semester of a four-semester sequence course will cover both traditional and contemporary forms of ear training techniques. Traditional exercises such as interval identification, sight singing, rhythm studies, melodic/ harmonic/ rhythmic/ formal standpoint will be addressed. Students will learn to hear different styles of music from the aforementioned standpoint without the aid of an instrument – i.e., "by ear." This course should be taken concurrently with Jazz/Contemporary Keyboard III and Jazz/Contemporary Theory III.

MUS-2112 Jazz/Contemporary Ear Training IV **1 credit**

Prerequisite: MUS-2111 or permission of instructor. *Required concurrent enrollment in MUS-2014 & MUS-2212. This is a continuation of Jazz/Contemporary Ear Training III. This

course should be taken concurrently with Jazz/Contemporary Keyboard IV and Jazz/Contemporary Theory IV.

MUS-2120 String Instrument

Teaching Methods

2 credits

Prerequisite: MUS-1231 or concurrent enrollment.

Basic techniques of violin, viola, cello and double bass. Selection and presentation of teaching materials. (Shared course in VSC)

MUS-2130 Woodwind Instrument

Teaching Methods

2 credits

Prerequisite: MUS-1231 or concurrent enrollment.

Basic techniques of flute, oboe, clarinet, saxophone and bassoon. Selection and presentation of teaching materials.

MUS-2140 Brass Instrument Teaching

Methods

2 credits

Prerequisite: MUS-1231 or concurrent enrollment.

Basic techniques of trumpet, horn, trombone and tuba. Selection and presentation of teaching materials. (Shared course in VSC)

MUS-2160 Introduction to

Technology in Music

2 credits

Prerequisite: None.

This course introduces students to the new music technologies by surveying software applications for music composition, orchestration, recording, etc. Topics include music synthesis, MIDI, and sequencing. Hands-on experience. (Shared course in VSC)

MUS-2211 Jazz/Contemporary

Keyboard III

1 credit

Prerequisite: MUS-1052 or permission of instructor. *Required concurrent enrollment with MUS-2013 & MUS-2111. Coinciding with Jazz Theory, this third semester of a four-semester sequence course will give each student a basic foundation in

the application of jazz/contemporary theory to the keyboard. Harmonic concepts such as chord construction, diatonic progressions, chord/scale relationships, song structure, etc., will be among the subjects covered. Emphasis will be on developing accompaniment skills in the jazz/contemporary style. Interpretation of chord symbols from the "lead sheet" format will enable students to more fully understand jazz harmony and to have the ability to accompany other musicians, students, etc.

MUS-2212 Jazz/Contemporary

Keyboard IV

1 credit

Prerequisite: MUS-2211 or permission of instructor. *Required concurrent enrollment with MUS-2014 & MUS-2112. This is a continuation of Jazz/Contemporary Keyboard III.

MUS-2220 Music Ensemble

1 credit

Prerequisite: None.

Chamber Singers* (must be concurrently enrolled in Concert Choir) (Shared course in VSC)

Brass Ensemble Percussion Ensemble
Concert Band Woodwind Ensemble
Concert Choir Jazz Ensembles

MUS-2231 Studio Recording I

3 credits

Prerequisite: MUS-2160 or permission of the instructor.

This course offers students a hands-on opportunity to explore the exciting world of multi-track recording. Topics include studio setup, use of the equipment in the recording studio, over-dubbing, mixing and general producing concepts.

MUS-2240 Percussion Instrument

Teaching Methods

2 credits

Prerequisite: MUS-1231 or concurrent enrollment in MUS-1231.

Basic techniques of snare drum, tympani, mallet instruments and other instruments

of the percussion battery. Selection and presentation of teaching materials.

MUS-2310 Jazz Improvisation
3 credits

Prerequisite: MUS-1231, 1232, or permission of the instructor. Should be taken concurrently with or after MUS-2313, 2314.

Topics explored in this course include scale/chord relationships, nomenclature, ear training, and analysis performance of common jazz/commercial forms and devices.

MUS-2313 Music Theory III
3 credits

Prerequisite: MUS-1232 or permission of instructor. *Required concurrent enrollment with MUS-2023 & MUS-2053. Advanced music theory for music majors. Classical studies of advanced form and analysis including baroque, classical, romantic, and 20th-century forms. (Shared course in VSC.)

MUS-2314 Music Theory IV
3 credits

Prerequisite: MUS-2313 or permission of instructor. *Required concurrent enrollment with MUS-2024 & MUS-2054. This is a continuation of Music Theory III.

MUS-2330 Elementary Voice Class
3 credits

Prerequisite: None.
This course is designed for the beginning vocal student wishing to improve his or her voice. Proper vocal technique is employed along with an introduction to beginning vocal literature. The anatomy of the vocal mechanism is discussed.

MUS-2350/4010 Music Theater Production
3 credits

Prerequisite: None.
This course is designed to give students a complete experience preparing for a performance of either a full book musical or a musical theater revue. Meetings will be scheduled from two to four times per week; students will be guided through the process

of exploring and creating a character through the medium of singing. Emphasis will be placed on the differences between the rigors of moving from speech to song and vice versa that are presented by the musical theater medium. Students will also learn how to work in cooperation with on-stage colleagues, musicians and crew. In addition, they will learn how to care for their general and vocal health during the critical pre- and mid-production periods. In addition, the cast will study the particular attributes of each show or shows being performed, vis-a-vis political and social/historical context as well as any significant literary connections or foundations.

MUS-2810/4810 Internship in Music
1-12 credits

Prerequisite: None.
(Shared course in VSC)

MUS-2910/4910 Independent Study in Music
1-12 credits

MUS-3031 History of Western Music I
3 credits

Prerequisite: MUS-1231, 1232 or the equivalent.
A detailed survey of the art of music, covering the history of musical styles through the study of composers, their works and pertinent historical relationships. Periods include the origins of music, Greek music systems and thought, church liturgy, and Medieval, Renaissance, Baroque, Rococo, pre-classical and classical music.

MUS-3032 History of Western Music II
3 credits

Prerequisite: MUS-1231, 1232 or the equivalent.
A detailed survey of the art of music from the Romantic Period to the present, including Impressionism, Atonalism, Verism, "Neoclassicism," Expressionism, serial music, aleatory music, electronic techniques and the influence of folk and popular music. The course covers the study

of composers, their works and pertinent historical relationships.

MUS-3040 Jazz in America

3 credits

Prerequisite: None.

This course combines a look at the historical development of jazz in America (including a stylistic examination of such major figures as Louis Armstrong, Duke Ellington, Charlie Parker, Miles Davis, and John Coltrane) with a discussion of various critical issues pertaining to its evolution and how it expresses and illuminates aspects of American history and culture. Students will sharpen their appreciation and understanding of historically important styles of jazz and develop an awareness of how the music and its performers have contributed to and reflected America's ongoing social and cultural development. *Meets Part III of the GECC.*

MUS-3050 The Social History of Rock and Roll

3 credits

Prerequisite: None.

An interdisciplinary study of the evolution of rock music from 1950 to the present, with attention to the social climate of this period. Social issues examined include rock 'n' roll and racism, the hippie culture, technological advances, economic forces and the political climate. Students study a specific rock style as a field project. Open to all students; previous background or experience in musical study and performance is not required. *Meets Part III of the GECC.*

MUS-3060 Vocal Pedagogy K-12

2 credits

Prerequisite: None.

Students in the course will receive a thorough grounding in the structure and function of the vocal mechanism, combined with a survey of the standard pedagogical approaches to healthy phonation and singing technique. Special emphasis will be given to the particular psychological and technical problems

manifested by children in various stages of development. The net gain from this course will be the ability to deal more effectively and efficiently with young voices, resulting in a significant improvement in the sound of one's choral ensembles.

MUS-3080 Choral Literature

2 credits

Prerequisite: Permission of instructor.

The study and performance of choral literature written for vocal ensembles of all sizes. Literature studied spans all historical periods and styles from the early Renaissance through the 20th century. May be repeated for credit.

MUS-3090 Song Interpretation:

Bringing Songs to Life

3 credits

Prerequisite: MUS-2330 and THA-2121

The overall objective of this course is to provide singing actors with the tools to make a song come alive onstage without relying on the context of a show, props, costumes and makeup. We explore each song from the dual perspectives of textual/dramatic and musical structure.

Once we have come to a thorough understanding of what the song is "about" we employ various acting techniques to help each singer to arrive at a performance that is honest, meaningful, convincing and effective. The semester's work is presented in a final cabaret performance.

MUS-3130 Composition

3 credits

Prerequisite: MUS-1231, 1232 or equivalent.

Students learn to write in styles from Baroque to Contemporary. During the latter part of the class, the development of personal style is stressed, and students often meet with the instructor on a one-to-one basis.

MUS-3140 Jazz Arranging

3 credits

Prerequisite: MUS-1231, 1232, 2013, 2014 or permission of the instructor.

A study of techniques in writing for the common instruments found in a band.

Emphasis is on the trumpet, trombone, saxophone and rhythm section instruments. Students learn the correct notation for each of the above. Other topics include music copying, two-part writing, and arranging for the small combo. Written arrangements are required.

MUS-3160 Elementary School Music

Methods

3 credits

Prerequisite: None.

A survey of teaching methods for music in the elementary school classroom through singing, playing, movement and listening experiences. Emphasis on the child's voice and on the development of creative educational materials. Students also learn about special instructional techniques, including the Orff, Kodaly and Delcroze methods.

MUS-3210 Secondary School Music

Methods

3 credits

Prerequisite: None.

Emphasis in the course is on vocal and instrumental music in the secondary schools, organization and rehearsal techniques. General music classes and musical theater also receive attention.

MUS-3215 Music Technology for the Classroom

3 credits

Prerequisites: MUS-1231, MUS-1232.

Wonderful opportunities exist for using music and technology in many classroom settings: elementary, middle school, special services, general music, chorus, and instrumental music. This course will explore some of the tools that are available in music composition, computer assisted instruction, music keyboards, multimedia and presentation formats. The course is designed to meet the needs of a variety of individuals with varied backgrounds and abilities in music.

MUS-3220 History of Blues

3 credits

Prerequisite: None.

This course traces the history and development of blues from African origins through the rural blues of Mississippi, the East Coast and Texas to the electric blues of Chicago, the blues revival of the 1960's and modern blues today. A close examination of the music itself, the people who make it, the rural and urban social contexts that have supported it, the mutual influence and interconnection of blues and rock-and-roll, and the relationship of blues to African-American history and culture. *Meets Part III of the GECC.*

MUS-3230 Survey of American Musical Theater

3 credits

Prerequisite: None.

This course will follow the development of the American (Broadway) musical from its roots in the musical revue and operetta at the beginning of this century to its full flowering in the 1940's and onward. Primary emphasis will be given to the works of the major creators of the genre.

MUS-3240 Applied Music Lessons

2 credits

Prerequisite: MUS-1120 or equivalent.

Permission of the instructor required. A study of techniques and literature in the music performance media. One hour per week.

MUS-3272 Studio Recording II

3 credits

Prerequisite: MUS-2231.

A continuation of MUS-2231 at a more advanced level. Topics covered include continued research in analogue recording, as well as information required to work with the most recent technology in digital recording.

MUS-3330 Worlds of Music

3 credits

Prerequisite: None.

A survey course dealing with diverse styles and musical sounds found among the

different cultures of the world, including Asian, African and Black American. Examples of the various forms and styles of music are presented both recorded and live by guest lecturers/performers. Students build simple non-Western musical instruments and study a specific musical culture as a field project. Open to all students; previous background or experience in musical study and performance is not required. *Meets Part III of the GECC.*

MUS-3350 Music of the Americas
3 credits

Prerequisite: None.
This course will acquaint students with various styles of North and South American music, and place those styles in social and cultural perspective. The course will examine Brazilian, Reggae, Afro-Cuban, Cajun and Zydeco, the cultural elements that influenced their development and how each style has influenced American popular music.

MUS-3401 Conducting I
3 credits

Prerequisite: None.
This course covers fundamentals of baton technique, score study and analysis, score reading, principles of interpretation, and rehearsal technique using representative works from choral and instrumental literature.

MUS-3402 Conducting II
3 credits

Prerequisite: MUS-3401.
This course is a continuation of MUS-3401 with an emphasis on extensive refinement of techniques.

MUS-3710 Special Topics in Music
3 credits

MUS-3720 Seminar in Music Education
2 credits

Prerequisite: Open to music education majors only.
Repeatable for credit. To be taken in rotation with elementary and secondary

music methods courses and continuously thereafter until the practicum. Course addresses on-going issues of professional concern, and development of a professional portfolio.

MUS-4020 Final Production in Studio Recording
2 credits

Prerequisite: MUS-1231, 1232, 2013, 2014, 2160, 2231, 3140, 3272.
Students will design individual projects that combine various skills in composition, performance, engineering and production. The project will culminate in the production of a professional quality compact disk recording containing each student's proposed musical format.

MUS-4030 Applied Music Lessons
3 credits

Prerequisite: MUS-1120.

MUS-4720 Senior Recital
2 credits

Prerequisite: None.
A public presentation of representative works in student's primary applied area. Fulfillment of all requirements outlined in the student handbook. Consent of department chairperson. (Shared course in VSC)

Outdoor Education and Recreation Courses (OER)

OER-1000 Introduction to Outdoor Education
4 credits

Prerequisite: Outdoor Education major or permission of instructor.
This course introduces students to the field of outdoor education through a variety of firsthand outdoor learning experiences in combination with classroom sessions. The course includes an introduction to historical and philosophical backgrounds of the field as well as career exploration. Integral to the course is participation in a range of adventure-based experiences, activities that emphasize an understanding

and appreciation of the natural environment, and outdoor learning experiences integrating various curriculum content areas.

OER-1030 Outdoor Education

Activities

.5 credits each

Prerequisite: None.

Snowshoeing

Cross-Country Skiing

Introduction to River Kayaking

Fly-fishing

OER-1050 Hiking and Camping

1 credit

Prerequisite: None.

In this course, students will be introduced to outdoor living and travel skills. Topics will include personal preparedness, equipment selection, camp craft skills, outdoor cooking, basic land navigation, trip planning, low-impact practices and safety. This course includes a multi-day trip.

OER-1060 Ropes Course

1 credit

Prerequisite: None.

In this class, students will have an opportunity to experience group-initiative problems, trust-building activities, and low and high ropes-course challenges. Students will gain an understanding of how the ropes course is a valuable recreational, educational and developmental tool.

OER-1061 Backpacking

1 credit

Prerequisite: None.

This course is designed to introduce students to backpacking and to provide them with the skills and knowledge to safely participate in this recreational activity on their own. Topics will include personal preparedness, equipment selection, camp craft skills, trip planning, low-impact practices, outdoor living skills and safety. This course includes a multi-day trip.

OER-1070 Orienteering

1 credit

Prerequisite: None.

This course will include instruction in map and compass use for land navigation.

Through practical outdoor experiences, students will gain the skills and knowledge to participate in the recreational sport of orienteering and to aid them in wilderness travel.

OER-1131 Rock Climbing I

1 credit

Prerequisite: None.

This course is designed to introduce students to technical rock climbing. The instruction focuses on personal preparedness, equipment selection and use, knot-tying, belaying and rappelling techniques, climbing movement, safety practices, and ethics for climbing and the environment. (Shared course in VSC)

OER-1161 Whitewater Kayaking

1 credit

Prerequisite: Introduction to River Kayaking (or equivalent kayaking experience and permission of instructor.)

This course is designed to enable kayakers to negotiate the challenge of whitewater, focusing on equipment, river dynamics, and safety procedures. Students will be taught in controlled and off-campus locations.

OER-1162 Coastal Kayaking

1 credit

Prerequisite: None.

This course is designed as an introduction to recreational kayak touring. Course content will include physical preparation, equipment requirements, paddling and self-rescue skills, and minimum-impact techniques. It will focus primarily on the experience of lake touring and will include some exposure to technical skill development. Students will practice skills in the college pool and partake in an off-campus field trip.

OER-1165 Coastal Kayak Guide Training

2 credits

Prerequisite: Kayaking experience is required. Recommended: OER-1161 and OER-1162.

The Coastal Kayak Guide Training is an intensive, multi-day program designed to expose students to the skills required to instruct and lead groups in open water kayaking conditions. The training focuses on the development of personal paddling skills, instructional tactics, sea "person"-ship, rescues, leadership and decision making. The course is a blend of dry land presentations and on-water practical sessions; since the goal is to expose students to a variety of sea states, the schedule will be dynamic and the days will be long and more often than not, wet. The majority of on-water sessions will be scenario-driven and taught in the context of skills development tours, where students may function as the instructor/guide.

Participants will have ample opportunity for self-assessment, instructor assessment, and peer assessment. In addition, students will be required to perform both written and practical skills assessments. The training may occur on inland bodies of water such as Lake Champlain, Vermont and/or on coastal waters. Students may have the opportunity to assess for nationally or internationally recognized paddlesport certifications.

OER-1170 Ice Climbing

1 credit

Prerequisite: OER-1131 (or equivalent experience and permission of instructor).

This course introduces students to technical ice climbing, focusing on personal preparedness for cold weather environments, equipment selection and use, low-impact practices and safety. Students will be taught in controlled and off-campus locations. (Shared course in VSC)

OER-2050 Rock Climbing Instructor

2 credits

Prerequisite: OER-1131 and OER-2080, (or equivalent rock climbing experience and permission of instructor).

This course serves as an introduction to the philosophy and principles of top rope climbing instruction. Emphasis will be placed on technical safety systems, site and participant management, and curriculum development. The intent of this course is to introduce students to the skills involved in basic top rope climbing programs found in camps, schools and outdoor centers. The in-the-field sessions will include bouldering, selection of equipment, anchor systems, rope management, climbing techniques and personal climbing experience.

OER-2060 Wilderness First Responder

4 credits

Prerequisite: Not open to first-year students.

This course prepares students to provide emergency medical care in remote areas involving prolonged patient care and severe environments. Certification available upon successful completion of the course. (Shared course in VSC)

OER-2062 Advanced Backpacking

2 credits

Prerequisite: OER-1061 (or equivalent backpacking experience) and permission of instructor.

This course is designed to provide students with the opportunity to enhance their backpacking skills and experiences, and to learn the intricacies of group leadership for backpacking. Topics will include route planning, equipment selection and care, meal and ration planning, group travel, decision-making, recognizing weather patterns, and group safety. The field session of this course may include greater challenges than those found in the introductory backpacking course due to weather conditions, length of trip and/or terrain.

OER-2080 Advanced Rock Craft

2 credits

Prerequisite: OER-1131.

This course is designed to give students a wider breadth of knowledge and experience in the rock-climbing arena. This class will provide field days in which students will participate in a progression of skill development that will allow students to experience and learn safe and efficient techniques for rock climbing from basic movement to advanced anchor construction.

OER-2140 Ropes Course Leadership

2 credits

Prerequisite: OER-1060 or permission of instructor.

This course prepares students to lead groups in team building challenges, focusing on selected initiative tasks, trust building exercises, and ropes course programming. (Shared course in VSC)

OER-2810 Internship in Outdoor Education

1-12 credits

Prerequisite: Contract required.

This shared course may have different prerequisites at the other VSC colleges. (Shared course in VSC)

OER-2910/4910 Independent Study in Outdoor Education

1-12 credits

OER-3010 Learning in the Outdoors

4 credits

Prerequisite: EDU-2040 or 2170 or PSY-2070, or permission of instructor.

This course involves the development and implementation of a program of outdoor education activities conducted for the sixth grade students of Grand Isle County at Camp Abnaki, North Hero, Vermont. Students develop instructional, recreational and counseling activities in various disciplines. Class preparation and planning sessions precede the week-long residential component. A fee is charged for food service and facility usage during the May program.

OER-3020 Program Planning in Outdoor Education

3 credits

Prerequisite: Junior or senior standing.

Study of the principles for administering safe, high-quality outdoor education experiences, including program philosophy and goals, risk management and liability, fiscal administration and budgeting, organization, and leadership and program evaluation. This shared course may have different prerequisites at the other VSC colleges. (Shared course in VSC)

OER-3070 Adventure Education

Theory and Practice

3 credits

Prerequisite: Minimum of three outdoor education activity classes; junior or senior standing.

This course explores the nature of the adventure participant's experience from a variety of theoretical perspectives including risk-seeking, motivations, fear, optimal arousal, self-efficacy, attribution, expectancy and flow theory. Also explored are experiential education, leadership theories as applied to adventure education, and the ethics of adventure leadership. Students will participate in role playing scenarios, simulations and field trips to better understand the functioning of these theories in practice.

OER-3150 Winter Expedition

3 credits

Prerequisite: Permission of instructor.

This course is designed to develop the essential skills and knowledge associated with winter backcountry travel. Topics may include personal preparation; physical conditioning; equipment selection, use and care; backcountry touring and travel techniques; winter camping skills; shelter construction; thermoregulation and energy conservation techniques; snow science; avalanche assessment; route selection; trip planning; nutrition; and group management skills. Students will be expected to create an interdisciplinary aspect to the course by researching and presenting information on such topics as:

geology, glaciology, mountain weather, cold weather injuries, ecology, etc. This course involves lecture and an extended expedition. Course topics, travel techniques and venue of the expedition may change annually.

OER-4030 Wilderness Leadership Techniques

4 credits

Prerequisite: OER-2060 (or equivalent), OER-2062, OER-3070; junior or senior standing.

This course provides practical applications of advanced skills of trip planning, logistics, risk management, group leadership techniques, effective instruction, expedition behavior and low-impact wilderness travel and camping practices. The course will include an extended field experience. Modes of travel used on the trips (backpacking, canoeing, snowshoeing, ski touring, etc.) will be determined by the time of year the course is offered.

OER-4710 Special Topics in Outdoor Education and Recreation

3 credits

OER-4810 Internship in Outdoor Education

1-12 credits

Prerequisite: OER-3010, Junior or senior standing, 2.50 cumulative GPA, leadership documentation for Adventure Education and Wilderness Leadership majors only, and faculty recommendation. Contract required. This shared course may have different prerequisites at the other VSC colleges. (Shared course in VSC)

OER-4900 Research in Outdoor Education

3 credits

Prerequisite: MAT-2030; junior or senior standing.

This course consists of a survey of research in the field of outdoor education, giving students a perspective on past trends as well as contemporary research themes. The connections of theory with practice will be

explored. Students will design and carry out a simple outdoor education research project of their own.

Philosophy Courses (PHI)

PHI-1010 Introduction to Philosophy
3 credits

Prerequisite: None.

This course is a survey of some of major philosophical issues, including our knowledge of reality, the nature of the mind or self, the existence of God, the problem of evil, freedom and determinism, morality and the good life. *Meets Part II.A.1. of the GECC.* (Shared course in VSC)

PHI-1030 Introduction to Logic
3 credits

Prerequisite: None.

This course is a study of the principles of good reasoning, including the nature of argument and inference, deductive and inductive reasoning, and informal fallacies. (Shared course in VSC)

PHI-1040 Introduction to Ethics
3 credits

Prerequisite: None.

This course introduces some of the major ethical theories about morally right action, the morally good person, and the just society. Such theories may include ethical absolutism, ethical relativism, ethical egoism, utilitarianism, formalism, and rights theory. Topics may be drawn from contemporary moral issues such as capital punishment, abortion, and euthanasia. *Meets Part II.A.1. of the GECC.* (Shared course in VSC)

PHI-2910/4910 Independent Study in Philosophy
1-12 credit

PHI-3150 Philosophy Through Literature
3 credits

Prerequisite: Two semesters of philosophy or literature.

Philosophical problems and world views, as presented in literature from Greek tragedies

to contemporary novels, are surveyed in this course. Particular attention is given to historical, political and scientific events that formed and changed the concept of our place in the universe. *Meets Part III of the GECC.*

Physical Education Courses (PED)

PED-1010 Physical Education Activities

.5 credits each

Prerequisite: None.

Volleyball, Aerobics: Total Body Conditioning, Yoga, Water Aerobics, Weight Training (coed), Women's Weight Training, Martial Arts, Winter Sports Conditioning, Tennis, Spinning, Walk Your Way to Fitness, Burning with the Bar.

PED-1150 Foundations of Physical Education

3 credits

Prerequisite: None.

This course is designed to introduce students to the foundations of the profession of physical education. Students will explore topics such as the historical and philosophical bases of physical education and related fields, the role and objectives of physical education and sport in our society, current trends and issues, career opportunities, and professional involvement. (Shared course in VSC.)

PED-2030 Educational Games, Dance and Gymnastics

2 credits

Prerequisite: None.

This course will introduce students to a variety of active games, dance and educational gymnastic experiences for children. Students will learn how to design, modify, present and evaluate these activities.

PED-2040 Team Sports

2 credits

Prerequisite: None.

This course will provide students with opportunities to analyze the similarities and differences among various team sports. Students will learn how to design, modify, present and evaluate a selection of team sports activities.

PED-2110 Individual, Dual and Lifetime Activities

2 credits

Prerequisite: None.

This course will introduce students to a variety of individual, dual and lifetime physical activities. Students will learn how to design, modify, present and evaluate these activities.

PED-2810 Internship in Elementary Physical Education

.5 credits

Corequisite: EDU-3120, contract required.

PED-2810 Internship in Physical Education for Exceptional Populations

.5 credits

Corequisite: EDU-2110, contract required.

PED-2910/4910 Independent Study in Physical Education

1-12 credits

PED-3120 Measurement and Evaluation

3 credits

Prerequisite: None

This course is designed to apply principles of measurement and evaluation to teaching physical education. A special emphasis will be placed on test construction, selection, and administration. Additionally, the student will be presented with various assessment tools in the psychomotor, cognitive, and affective domains used in physical education. (Shared course in the VSC.)

**PED-3140 Methods of Teaching
Secondary School Physical Education**

4 credits (with lab)

Prerequisite: EDU-2170 and PED-1150 or permission of instructor.

Examines theory and implementation of the secondary physical education curriculum. Includes practical application in the field. This shared course may have different prerequisites at the other VSC colleges. (Shared course in VSC)

Physics Courses (PHY)

PHY-1041 Physics I

4 credits (with lab)

Prerequisite: PLM-0003, PLM-0004, PLM-0005, MAT-1020, or MAT-2532.

Provides students in engineering technology the basic principles of physics. *Meets Part II.B.2. of the GECC.* (Shared course in VSC)

PHY-1042 Physics II

4 credits (with lab)

Prerequisite: PHY-1041.

This is a continuation of PHY 1041 for electrical and computer engineering technology students. Emphasis is on understanding the basic physical principles as they relate to practical situations and semiconductor physics. *Meets Part II.B.2. of the GECC.* (Shared course in VSC)

**PHY-2910/4910 Independent Study
in Physics**

1-12 credits

Political Science Courses (POS)

NOTE: Upper-level (3000/4000) courses in Political Science are offered on a rotating basis, generally every other year.

**POS-1010 Introduction to Political
Science**

3 credits

Prerequisite: None.

A survey and analysis of modern political regimes, movements, parties,

governmental organizations and the relations between social interests and authority and the values and processes of government. *Meets Part II.D. of the GECC.* (Shared course in VSC)

**POS-1020 American Politics and
Government**

3 credits

Prerequisite: None.

Introduction to key topics and fundamental issues of American politics and government, including political parties, elections, interest groups, the authority and function of the various branches and levels of government, the rights of the individual and the pursuit of justice, equality, life, liberty and happiness. *Meets Part II.D. of the GECC.* (Shared course in VSC)

**POS-1040 African-American History
and Politics**

3 credits

Prerequisite: None.

From slavery to emancipation, through civil rights movements and urban racial conflict, this course examines the cultural, economic and political dynamics of African-American life. Through books, films, essays and music, the course considers the contributions of Sojourner Truth, Dubois, Brendt, King, Malcolm X, Spike Lee, Toni Morrison and others.

**POS-2010 Observation of the
Legislative Process**

3 credits

Prerequisite: None.

This course gives students an opportunity to observe the legislative process, party caucuses, committee meetings and public hearings.

**POS-2050 International Economics
and Politics**

3 credits

Prerequisite: None.

This course examines fundamental contemporary global issues such as conflict and peace, resource and human crisis conditions, mechanisms of trade and

transnational investment, shifting power balances, and problems of development. Designed to prepare students for further sophisticated investigation of international subjects, the course focuses on tools for analyzing the global vicissitudes that impinge on the lives of all citizens.

POS-2110 State and Local

Government

3 credits

Prerequisite: None.

This course provides a study of the principles and problems of American government at the state and local level. (Shared course in VSC)

POS-2810/4810 Internship in

Political Science

1-12 credits

POS-2910/4910 Independent Study in Political Science

1-12 credits

POS-3010 Survey of Western Political Thought

3 credits

Prerequisite: None

An examination of European/Asian views of the citizen, the state, law, justice, and the nature and use of power, plus an analysis of modern global doctrines on communism, democracy, fascism, internationalism, liberalism and Nazism.

(Fall semesters, odd years)

POS-3030 Contemporary Political Theory: Race, Class, and Gender

3 credits

Prerequisite: None.

This course focuses on contemporary issues that relate to the dynamics of race, class and gender. Specific problems are examined to demonstrate that these categories must be studied in detail in order to understand our contemporary lives and the social, political and economic institutions that affect them.

(Spring semesters, even years)

POS-3040 The Politics of Gender

3 credits

Prerequisite: None.

This course explores the politics and philosophies of gender relationships. It examines the dynamic of power and the political forces that shape the relationships between men and women, women and women, and men and men. Of particular interest are the social institutions and activities that shape and express power relationships in everyday life.

POS-3050 Environmental Ethics and Politics

3 credits

Prerequisite: None.

This course explores the relationships between our natural and human environments. How do our socio-economic concerns affect our ethical relationships within this total environment? How is our ethical understanding of ourselves related to our connection with nature? The class will consider a variety of issues and problems that seek to understand ecological limits and the moral obligations that need to be confronted. *Meets Part III of the GECC.*

POS-3060 Vermont Politics

3 credits

Prerequisite: None.

Vermont Politics examines the electoral and political party structures, partisan activities, interest groups, the role of the media, and other timely issues. (Fall semesters, odd years) (Shared course in VSC)

POS-3070 Terrorism, Religion, and the Nation-State

3 credits

Prerequisite: None.

This course will offer a rapid background in the histories and theologies of Judaism, Christianity, Islam, and Hinduism – the four religions in the territories of which terrorism seems to be endemic and which regions (primarily the Middle East and India) have been divided into a myriad of artificial states. The instructor will explain

the effect of reactions to the encroaching storm of modernity with its accompanying tidal waves of democracy and capitalism, and also give a brief explanation of the histories of the various nation states in the regions above. Different interpretations of "terrorism" will also be discussed. Is terrorism a tool and a weapon of war on par with guns and fighter-bombers? Is it anarchism? Nihilism? Cold-blooded murder? Is it a romantic throwback to some romantic notion of what some peoples' ancestors used to do? What exactly? The students and professor will debate together the effect of reactions to the encroaching storm of modernity with the accompanying tidal waves of capitalism, democracy, innumerable new religions sects and the loosening-up of the authoritarian patriarchal and moral systems. *Meets Part III of the GECC.*

**POS-3130 Church State Separation:
The First Amendment to the United
States Constitution**
3 credits

Prerequisite: None.
This course examines the history, theory, and application of the role of religion in forming and maintaining social values and governmental structure. The course focuses primarily on the American model of separation of church and state as the primary device that has both maintained a high sense of ethical values in public life and a high respect for divergent religious beliefs and practices. The study focuses on the growth and interrelationship among religious beliefs, ethical ideals, and governmental structure as seen in western history and political philosophy leading to the creating and later interpretation of the First Amendment to the American Constitution. Student work from both primary and secondary sources including Plato, Sophocles, Aristotle, Moses, Jesus Christ, Augustine, Mohammad, Thomas Aquinas, Emanuel Kant, Friedrich Nietzsche, John Stuart Mill, John Rawls, Martin Luther King, Jr., and Teilhard de Chardin, among others. Students will

examine and test theories relative to the separation of church and state.

POS-3150 Campaigns and Elections
3 credits

Prerequisite: None.
Students examine activities of critical importance to elected officials and gain an understanding of the choices that face such officials in their dealings with the electorate. The way voters choose among candidates, factors which influence voter turnout, and campaign strategy and tactics are among topics discussed. Polls and surveys and the raising and spending of campaign funds also receive attention. Students are encouraged to work for the candidate of their choice.

**POS-3160 Modern Politics Through
Drama and Fiction**
3 credits

Prerequisite: None.
This course provides an intensive reading of world literature dealing with systems of government, ideologies and the vicissitudes of political power. Each student prepares an interpretation of a political situation or problem based on a literary text (read by the entire class) and on individual research. Topics vary with each offering.

POS-3170 U.S. Constitutional Law
3 credits

Prerequisite: None.
This course examines Supreme Court decisions, constitutional law in the United States, and the rights of state governments and of the individual. (Shared course in VSC)

POS-3210 Canadian Politics
3 credits

Prerequisite: None.
This course will examine the Canadian parliamentary system of government. The class will meet with members of Parliament, political leaders and representatives of the media.

**POS-3220 Genocide: Inhumanity
Across the Ages**
3 credits

Prerequisite: None.

The study of the history and geographical background of, and the political, economic and religious motivations for, physical and cultural genocide. *Meets Part III of the GECC.*

POS-3230 Third World Politics
3 credits

Prerequisite: None.

Students explore the integration of life and ideology as exemplified by selected revolutionary figures of Africa, Asia and Third World America. Students are responsible for conveying to the class, in seminar style, their assessments of typical Third World leaders and thinkers, including conservative and revisionist figures.

**POS-3270 Revolutions, Transformed
Economics, and Social Change**
3 credits

Prerequisite: None. Recommended: One POS or HIS course.

From 1688 to 1978 the world was wracked by a series of violent upheavals referred to as revolutions that affect our lives on a daily basis on every continent on the globe. From the English revolution in 1688, through the American in 1776 and the French in 1789, the Bolshevik in 1917, to that of Iran in 1978, the Christian and Muslim fundamentalist revolutionary movements in the 21st century. What were/are these movements? How do they come about? What factors play a role in their development? What are their religious, national, psychological, economic and social consequences? Who leads and participates in them, wins and loses, and why? We shall study all. *Meets Part III of the GECC.*

POS-4010 American Foreign Policy
3 credits

Prerequisite: None.

In this course, students analyze the forces behind the formulation of American foreign policy and its objectives and

strategies since 1776. Particular emphasis is given to the period from World War II to the present. (Spring semesters, even years)

POS-4020 International Relations
3 credits

Prerequisite: None.

This seminar provides an investigation of the political and economic elements of national power, transnational interests and international organizations.

**POS-4730 Senior Seminar in Political
Science**
3 credits

Prerequisite: None.

Senior-level students choose a major topic for collective investigation, complete a common core of reading and contribute individual research presentations on aspects of that topic.

Psychology Courses (PSY)

PSY-1010 Introduction to Psychology
3 credits

Prerequisite: None.

This course is a survey of major concepts, issues, theories, and research methods in psychology. In the process, it offers a sense of how psychological issues are involved in students' personal lives. Course content includes such topics as states of consciousness, learning, memory, development, motivation, emotion, stress management, theories of personality, abnormal behavior, approaches to therapy, intelligence, social psychology, neurophysiology, and sensation and perception. *Meets Part II.C. of the GECC.* (Shared course in VSC)

PSY-2040 Social Psychology
3 credits

Prerequisite: None. Recommended: Sophomore standing.

This course presents a systematic study of how people think about, influence and relate to one another. Course content includes topics such as attitudes, norms, aggression, conformity, attraction, self-justification, prejudice, group processes,

interpersonal interaction and communication, altruism, conflict resolution, persuasion and impression formation. There is a broad opportunity for application of these concepts to understanding the self and interpersonal relationships, as well as to social issues of importance, such as war and peace, consumer behavior, and political strategy. (Shared course in VSC)

PSY-2070 Developmental Psychology 3 credits

Prerequisite: PSY-1010.
This course focuses on emotional, cognitive, identity, social, and moral development throughout the life span with special emphases on the theories of Piaget, Freud, Erikson, and Kohlberg.

PSY-2410 Research Methods in Psychology 3 credits

Prerequisite: PSY-1010, MAT-2030.
The purpose of this course is to provide students with an introduction to the theory and practice of research in the broad field of psychology. The emphasis of the course is practical and behavioral; students design research working individually and in teams. The course acquaints students with survey research, and experimental, correlational, and quasi-experimental designs.

PSY-2420 Group Process: Theory and Practice 3 credits

Prerequisite: PSY-1010.
This course acquaints students with current theory, practice in interpersonal communication, and group dynamics, including recent social, educational, and therapeutic uses of small groups. (Shared course in VSC)

PSY-2810/4810 Internship in Psychology 1-12 credits

Prerequisite: Permission of internship coordinator.
(Shared course in VSC)

PSY-2910/4910 Independent Study in Psychology 1-12 credits

PSY-3010 Theories of Personality 3 credits

Prerequisite: PSY-1010, and junior standing or permission of instructor.
This course focuses on significant theories which describe the development, structure, and dynamics of personality, with an emphasis on pertinent research findings. Approaches such as psychodynamic, behavioral, social learning, biosociological, humanistic, cognitive, and existential are included. Particular emphasis is placed on practical applications of personality concepts for understanding self and others. (Shared course in VSC)

PSY-3030 Organizational Psychology 3 credits

Prerequisite: PSY-1010.
This course examines the application of psychological principles to organizations. Topics studied include the individual in organizations, motivation and reward systems, leadership styles, and organizational culture and communications.

PSY-3065 Abnormal Behavior 3 credits

Prerequisite: PSY-1010, PSY-3010 or permission of instructor. Recommended: Sophomore standing.
This course introduces students to a variety of psychological disorders, such as anxiety disorders, mood disorders, schizophrenia, eating disorders, somatoform disorders, dissociative disorders, personality disorders, psychophysiological disorders, sexual disorders, and disorders of childhood and old age. An overview of methods of diagnosis is included. An important aspect of the course is building on the knowledge developed in PSY 3010; students will have numerous opportunities to practice applying personality theories to explain the cause and describe the treatment of different disorders.

PSY-3110 Adulthood and Aging

3 credits

(available through EDP)

Prerequisite: PSY-1010.

Recommended: Sophomore standing.

This course takes a life-span approach to exploring the physiological, cognitive, and psychosocial changes that take place throughout adulthood. Among topics considered are: transitional expectations of ages and stages, gender-based psychological differences, changing family configurations, work and retirement issues, personality and biological shifts, death and bereavement. (Shared course in VSC)

PSY-3140 Play and Its Role in Human Development

3 credits

(available through EDP)

Prerequisite: EDU-2040 or PSY-2070.

This course will explore the role of play in human development, with primary emphasis on the first 12 years. We will examine the following dimensions of play: definition and categories of play; interplay between developmental stages and types of play; benefits of play in enhancing physical, cognitive, social and emotional growth and well-being; consideration of historical, political, cultural and gender issues; uses of play in education and therapy; the adult role in promoting play. Students will understand how to use play in their present or future work in human services/education.

PSY-3230 Psychology of Gender

3 credits

Prerequisites: PSY-2070 and junior standing.

This course explores the psychological aspects of gender, particularly the process of gender socialization in childhood, and the psychological significance of gender throughout the life-span, with a focus on the feelings, attitudes, and belief systems inherent in gender roles. The course explores research on both similarities and differences of males and females. (Shared course in VSC)

PSY-3250 Multicultural Psychology

3 credits

(available through EDP)

Prerequisite: PSY-1010.

The study of the effect of culture, subculture, and cultural trends on human behavior and human development. This course will extensively examine the impact and relationship of race, religion, sex, and other cultural factors on the psychological development of women and men.

PSY-3330 Psychology of Addictions

3 credits

Prerequisite: PSY-1010.

This course is intended to serve as an introduction to problems associated with addiction. It is targeted at problems associated with substance abuse, but will also address issues associated with other compulsive behaviors; eating disorders, addictive sexual behavior, and so on.

PSY-4010 Biological Psychology

3 credits

Prerequisite: 9 credits in psychology or [BIO-1210 and BIO-2011], and junior standing, or permission of instructor.

This course offers a study of the physiological influences on human behavior with particular emphasis on the role of the nervous system. The instruction emphasizes current research in neurological and biochemical mechanisms as they influence memory, motivation, perception, consciousness, and sensory and behavioral processes. (Shared course in VSC)

PSY-4080 Psychology and the Civil War

War

3 credits

Prerequisite: PSY-3010 recommended.

This interdisciplinary course examines important psychological issues, both societal and interpersonal, that affected the conduct and outcome of the American Civil War. Historical readings will concentrate on the pivotal battles at Chancellorsville and Gettysburg. Students will learn about important personality dimensions of battlefield and government

leaders through in-class exercises and reenactments. *Meets Part III of the GECC.*

PSY-4090 Controversial Issues in Psychology

3 credits

Prerequisite: PSY-1010 and junior or senior standing.

Through primary source readings, this course explores controversial issues and debates within psychology. Topics covered include the use of animals in research, measuring intelligence, mental illness as a cultural construction, the effectiveness of psychotherapy, and opposing research findings on the effects of television, corporal punishment, and divorce on children's psychological health.

PSY-4110 Creative Therapies

3 credits

(available through EDP)

Prerequisite: PSY-4151.

This is a study of the use of art, music, and movement for creative expression in counseling and psychology. The focus of the course is an exploration of theory and application of creative therapies in working with children and adults. (Shared course in VSC)

PSY-4125 The Evolution of Psychology

3 credits

Prerequisite: PSY-1010, and junior or senior standing.

In this course, students read excerpts of unedited, foundational research and theory in psychology. In seminar style, students will discuss the historical context and significance of each piece, the implications of the piece to the current state of the field, contemporary modifications to each piece, along with students' reactions and critiques.

PSY-4151 Counseling

3 credits

(available through EDP)

Prerequisite: PSY-1010, PSY-3010, and PSY-3065. The purpose of this course is to provide students with an introduction to

both the counseling profession and the process of counseling itself. Students learn about the relationship between counselor and client, theoretical approaches to counseling, and the application of intervention skills to facilitate client change. (Shared course in VSC)

PSY-4220 Seminar in Jungian

Personality Types

3 credits

Prerequisite: None. Recommended: Sophomore standing.

This course explores the sixteen Jungian-based personality types. Students will learn their own types and explore the impact of type on learning style, friendships, romantic relationships, career choice, and work styles. Students will explore how different types can complement each other or irritate each other, and how to use type to facilitate best outcomes.

PSY-4760 Topical Seminar in Psychology

3 credits

Prerequisite: PSY-1010.

Recommended: 2000 and 3000 level courses in psychology.

Primarily for students concentrating in psychology, this course explores significant areas in psychology with topics varying from year to year. The seminar emphasizes presentation and discussion, and may be repeated for credit. (Shared course in VSC)

PSY-4770 Senior Seminar in

Psychology

1 credit

Prerequisite: PSY-1010, PSY-2420, senior standing, permission of instructor.

This course is a capstone experience for seniors and must be taken in conjunction with two credits of PSY-4810, Internship in Psychology. Students will process and discuss their learning, as well as explore current topical issues in psychology, in this seminar. *Internships must be arranged the semester prior to when they are to occur.

Science Courses (SCI)

SCI-2910/4910 Independent Study in Science **1-12 credits**

SCI-4020 Science Methods **3 credits**

Prerequisite: None.

This course is designed for prospective secondary science teachers. The course focuses on science teaching methods and materials, chemical hygiene training, classroom observations, and the prospective secondary science teacher portfolio that is required for teaching certification. This course must be completed prior to the student teaching practicum.

Social Science Courses (SSC)

Courses not included in traditional disciplines of anthropology, psychology, or sociology are designated social science courses (SSC). These multi-disciplinary courses are an important component of our curriculum and may be used to meet degree requirements in anthropology and sociology (ANS) and/or psychology (PSY).

SSC-1020 Career Choices **3 credits**

Prerequisite: Sophomore standing.

This course is designed to help students learn and practice processes of personal exploration and decision-making which will assist them in making satisfying career choices.

SSC-1050 FYS: A Call to Action **3 credits**

Prerequisite: Open to freshmen only

Examine major movements of social action from the peace movement to the civil rights movement, learn tools to activate your citizenship, and learn the art of deliberative dialogue. Students will participate in a service learning project and learn about social issues, social activists, local community organizations and initiatives,

and discover ways to make change in our community. Permission required. *This is a first-year seminar course and meets the First-Year Seminar requirement of the GECC.*

SSC-2910/4910 Independent Study in Social Science **1-12 credits**

SSC-3150 Sociodrama **3 credits**

Prerequisite: PSY-1010 and any 2000-level PSY or ANS course or THA-2121.

This course is a practical and experiential introduction to sociodrama – the spontaneous role-playing methods for exploring group themes, issues and situations – and to the experiential science of sociometry, both created by Dr. J.L. Moreno. It will acquaint participants with the basic techniques use to facilitate role-playing and explore methods to increase individual and collective spontaneity and empathy. Discussions will focus on applications for education, community action and industry.

Sociology Courses (SOC)

SOC-1010 Introduction to Sociology **3 credits**

Prerequisite: None.

A systematic introduction to the study of social behavior and organization. The major conceptual tools of sociology are used to explore the structure, processes, and content of social action; to provide insight into the regularity and diversity of human social behavior. *Meets Part II.C. of the GECC.* (Shared course in VSC)

SOC-1040 Integrative Health and Professional Series **1 credit**

Prerequisite: None.

This is a weekly evening series that brings credentialed, experienced alternative health care professionals to JSC for both JSC students and the general public to conduct lecture/workshops on the history, nature, practices, technologies, career credentials, and evidence for healing disease and

creating wellness in people's lives. Students attend these lectures/demonstrations, engage in critical dialog with both the public and other health professionals, and critically review text material related to lecture topics. Students complete the course with a final written paper and oral presentation that reflectively evaluates the reading and experiential learning in the lecture/workshop series.

SOC-2040 Race/Ethnicity/Class and Gender
3 credits

Prerequisite: None.

An exploration of the historical and contemporary roots of discrimination on the basis of race, ethnicity, class and gender. Issues such as culture, identity and oppression are examined. (Shared course in VSC)

SOC-2050 Drugs, Herbs, and Society
3 credits

Prerequisite: None.

An examination of the role that legal and illegal drugs play in our society and the consequences of drug use and drug policy. The course focuses on the sociological nature of issues such as the "war on drugs" and illegal drug trafficking, and concepts like addiction and deviance.

SOC-2140 Sociolinguistics
3 credits

Prerequisite: None.

This course surveys the development of linguistics and explores how social factors such as sex, age and class affect speech, understanding and meaning at both the interpersonal and institutional levels.

SOC-2150 Social Solutions
3 credits

Prerequisite: None.

This course explores the roots of poverty and oppression through combined academic research and community service involvement. Homelessness, welfare, AIDS, racism, sexism are examined for their social structural causes and for their interpersonal solutions.

SOC-2810/4810 Internship in Sociology
1-12 credits

SOC-2910/4910 Independent Study in Sociology
1-12 credits

SOC-3020 Environment and Society
3 credits

Prerequisite: None

The purpose of this course is to demonstrate and analyze, empirically and theoretically, the crisis of the environment (at the global, national and local levels). Specific topics include the "toxics crisis," Central America, work, environmental racism, global warming and others; but rather than focus on specific physical aspects of the environment, the course is designed to interpret societal structures and processes that lead to ecological crises. In this sense, students should not feel limited to that subject matter on the syllabus and are encouraged to incorporate their personal interest into the class.

SOC-3040 Social Movement, Culture, and Activism
3 credits

Prerequisite: None.

This course examines the topic of (post-) modern youth culture from a range of perspectives that are incorporated under the umbrella of an interdisciplinary field of scholarship known as cultural studies. Youth culture and its relation to popular culture will be explored historically and cross-culturally using theories and methods drawn from disciplines such as communications, geography, literary criticism, sociology, philosophy, film studies, English, art history, anthropology, psychology and musicology. *Meets Part III of the GECC.*

SOC-3050 Gender and Society
3 credits

Prerequisite: None.

An exploration of the impact that sex and gender have on our interpersonal relationships in our everyday life and on

the social structure that creates and sustains them. (Shared course in VSC)

SOC-3060 Sexuality and Intimacy
3 credits

Prerequisite: None. Limited to juniors and seniors.

This course examines sexual issues of concern to students and emphasizes the role of participants as rational and emotional beings confronting a fundamental human concern—managing their sexuality throughout lives in which they will inevitably accommodate considerable personal and social change.

SOC-3080 Wellness and Alternative Medicine
3 credits

Prerequisite: Permission of the instructor.

This course documents the history, nature and scientific basis of wellness and alternative medicine from Era I and the biomedical model, through Era II and mind/body medicine to Era III and non-local medicine. Diverse healing traditions including Native American, Ayurvedic and Chinese medicine are explored. Alternative health care practices including acupuncture, homeopathy and naturopathy are examined. The nature of scientific evidence for the field of psychoneuroimmunology is discussed in addition to the changing nature of the medical treatment environment—new doctor/patient relationships, new protocols for scientific evidence, integrated diagnosis, and new ways of conceptualizing health and illness. *Meets Part III of the GECC.*

SOC-3130 Mass Media and Society
3 credits

Prerequisite: None.

An examination of life in mass-media-saturated societies. This course examines the operation of mass media industries and the political, social, and psychological consequences of media culture. Television, print, film and popular music are considered to explore the different

dimensions of advertising, news and entertainment.

SOC-3170 Power, Politics, and Inequality
3 credits

Prerequisite: None.

The course delineates key relations between government, social groups, and economic inequality by focusing on the ways in which political, economic, and cultural power is distributed, acquired and wielded in our society. The spectrum of political ideologies and the social movements they engender are examined in the context of historical, cross-cultural and contemporary conditions.

SOC-3230 Alternative Medicine, Science, and Disease
3 credits

Prerequisite: SOC-3080.

This course investigates the nature of diverse global health care systems and critically compares claims for healing disease. Students use a sociocultural interdisciplinary lens to examine the language, concepts, theories, practices, technologies, and evidence of health care models that include allopathic biomedicine, Chinese medicine and Acupuncture, Indian Ayurveda, naturopathy, chiropractic, and Native American Healing; to examine mind/body modalities that include meditation, biofeedback, and to examine yoga and energetic medical models that include reiki, aromatherapy and homeopathy. Students learn investigative research skills to evaluate the science, the safety and the efficacy of evidence for healing, and also the cross-cultural communicative fluency skills to articulate collective evidence that bears upon disease healing.

SOC-4010 Family Violence
3 credits

Prerequisite: ANT-1010 or SOC-1010 and permission of the instructor.

This course explores the nature of family violence through academic study and on-site community training workshops with

local professionals. Theory and research findings will be examined to understand why people batter, sexually abuse and kill within families.

SOC-4020 Sociological Theory
3 credits

Prerequisite: SOC-1010 or permission of instructor.

Analysis of the development of sociological thought from Comte to the present, with particular emphasis on the theoretical contributions which have been instrumental in the emergence of sociology as an academic discipline. (Shared course in VSC)

SOC-4030 Global Health, Diversity, and Policy
3 credits

Prerequisite: Junior standing or permission of instructor.

In this course students will analyze the crises of the environment, the economy, biological diversity, human health, and social justice at the global level. Students will explore the manners in which social processes and social organizations create conditions that threaten the sustainability of environmental and human health.

Although these are interdisciplinary areas of study, in its approach to these questions, the course draws on sociological theory. To provide an appropriate background for our analyses, the readings cover topics ranging from case studies of health conditions in African communities, to land distribution in Central America, to U.S. foreign policy and to corporate control of genetic engineering. *Meets Part III of the GECC.*

SOC-4730 Topical Seminar in Sociology
1-3 credits

Prerequisite: None.

This course explores new topics and current developments in the discipline. The seminar emphasizes student research, presentation and discussion, and may be repeated for credit.

SOC-4740 Senior Integrative Health Care Seminar

1 credit

Prerequisite: Senior standing or permission of instructor.

This seminar course is designed to help students identify, integrate, and evaluate their interdisciplinary learning in wellness and alternative medicine, to create a life/career plan for ways to integrate that learning into personal self-care and/or professional health care, and to create a theoretical and practical model of how wellness and alternative medical systems might "integrate" with the allopathic medical model at the personal, interpersonal, community, societal, and global levels.

Spanish Courses (SPA)

SPA-1011/1011L Spanish I
Class 3 credits, Lab 1 credit

Prerequisite: None. Corequisite: Coinciding lab.

The first course in a two-course sequence. Systematic introduction to the Spanish language. Development of aural comprehension, speaking, reading, and writing skills. Also provides an introduction to the culture of Latin America and Spain. A one-hour laboratory per week is required. *Meets Part II.A.2. of the GECC.* (Shared course in VSC)

SPA-1012/1012L Spanish II
Class 3 credits, Lab 1 credit

Prerequisite: Two years of high school Spanish or SPA-1011 or permission of instructor.

The second course in a two-semester sequence designed to introduce students to the Spanish language. Continued development of aural comprehension, speaking, reading, and writing skills. Further study of elements of the culture of Latin America and Spain. A one-hour laboratory per week is required. *Meets Part II.A.2. of the GECC.* (Shared course in VSC)

SPA-2011/2011L Spanish III
Class 3 credits, Lab 1 credit

Prerequisite: Three years of high school Spanish or SPA-1012 or permission of instructor.

Systematic and intensive review of first-year college Spanish (or the first two years of high-school Spanish), followed by work leading to the further development of oral proficiency, the continued study of Spanish grammar, directed composition, and acquisition of vocabularies for everyday use. Informal oral and written reports. Laboratory work is required. *Meets Part II.A.2. of the GECC.* (Shared course in VSC)

SPA-2012/2012L Spanish IV
Class 3 credits, Lab 1 credit

Prerequisite: Four years of high school Spanish or SPA-2011 or permission of instructor.

Further development of oral proficiency, the continued study of Spanish grammar, directed composition, and acquisition of vocabularies for everyday use. Informal oral and written reports. Laboratory work is required. *Meets Part II.A.2. of the GECC.* (Shared course in VSC)

SPA-2910/4910 Independent Study in Spanish
1-12 credits

Theater Arts Courses (THA)

THA-1040 Interpreting
Contemporary Dramatic Literature
3 credits

Prerequisite: None.

This study provides an interdisciplinary understanding of contemporary dramatic literature. Period plays and masterworks are looked at from the vantage point of the actor, the playwright, the technician and the critic. The play is observed as a force within a cultural context influenced by and influencing the social, political and economic realities of its time. (Shared course in VSC)

THA-1041 Introduction to Theater Arts

3 credits

Prerequisite: None.

This course is designed as an introduction to the collaborative nature of theater in addition to the analysis and criticism of dramatic literature. The imaginative process is stressed as history, playwriting, audience, acting, directing, producing and designing for both theater and film are individually examined as elements of the collaborative process. *Meets Part II.A.3. of the GECC.* (Shared course in VSC)

THA-1111 Stagecraft
3 credits

Prerequisite: None.

This hands-on course introduces students to the basic techniques of scenery and set construction and philosophy and mechanics of lighting, properties, sound, and technical effects. The course also includes crew work on productions. (Shared course in VSC)

THA-2020/4050 Theater Lab
3 credits

Prerequisite: Consent of instructor.

This course is designed to introduce the student to serious hands-on work in technical theater. Repeatable for credit, the student can work at entry level positions and repeat the class at more advanced levels of responsibility. The major areas included are stage carpentry, stage electrics and sound engineering. The course provides an opportunity for students to develop career skills while working with international touring companies in music, dance and theater as well as with a wide range of departmental productions and other events.

THA-2030 Costume History and Design
3 credits

Prerequisite: None.

An introduction to function, purpose and design of clothing and of theatrical costumes in each of the major periods of theatrical history from the era of Classical

Greece to the 20th century. The course includes both study of historical styles of clothing and their adaptations for the stage, as well as some of the outstanding examples of costume created exclusively for the theater. The relationships of costuming and costume design to other production elements, the working vocabulary of the costume designer and costumer, and the emotional responses created by costuming are also examined. (Odd years)

THA-2035 Costume Construction and Stage Make-up
3 credits

Prerequisite: THA-1041, THA-2030. This course is designed primarily to acquaint the student with the principles of drafting, cutting and construction costume for the theater. In addition to drafting and cutting projects, costume crew work on department productions will be expected. Theatrical make-up in relation to costuming will also be explored.

THA-2040/4010 Performance and Production Lab
3 credits

Prerequisite: Permission of the instructor either through audition or interview; and also for THA-4010, previous credit for TAD-2040 and upper-level standing. Rehearsal and performance of a major faculty-directed theater production or equivalent performance project in Theater. In order to receive full credit for this course, students must be cast in the semester production or fulfill a crew assignment. Students may also be expected to complete one academic exercise by production's end. May be repeated for credit.

THA-2121 Acting I
3 credits

Prerequisite: None. This course explores the basic nature of the actor's creative process. It includes study of the actor's physical instrument, impulses, intuition and creative imagination. The evolving study of the course focuses on the fundamental elements of the acting craft: imaginary environment, character analysis

and development, voice, body, relaxation and concentration is applied to work on monologues and scenes. (Shared course in VSC)

THA-2122 Acting II
3 credits

Prerequisite: THA-2121. This course continues developing basic acting skills through advanced character analysis and the development of character begun in fundamentals of acting. Emphasis is placed on the inner, emotional layers of character development through scene study, rehearsal and performance of modern, realistic dialogue scenes and a look at film and television vs. stage acting. (Shared course in VSC)

THA-2810/4810 Internship in Theater
1-12 credits

THA-2910/4910 Independent Study in Theater
1-12 credits

THA-3010 Shakespeare: "On the Stage and on the Page"
3 credits

Prerequisite: Upper-division status, and completion of Parts I and II of the General Education Core Curriculum (GECC). Team-taught by theater and English faculty, this survey of Shakespeare will examine the playwright's use of various dramatic genres—comedy, tragedy, history and romance—from the perspective of both literary history and the theater. We will explore ways in which a playwright's blueprint—the text of the play—becomes a full-blown theater production. We will also investigate some of the outstanding features of dramatic structure and the creation of dramatic character and subject matter, as these are embodied in performance. In addition, the course will challenge students to consider the effects on Shakespeare of issues of intellectual and social history: the concept of the divine right of kings; the concern with order and degree throughout nature; questions of

gender, social role and autonomy; evolving attitudes toward language and imagery and toward the function of literature in social, political and aesthetic life. *Meets Part III of the GECC.*

THA-3030 Children's Theater

3 credits

Prerequisite: None.

A study of the techniques of children's theater. Students employ these techniques in the field during the last eight weeks of the semester when they tour to local elementary schools and perform/work with the children hands on.

(Even years) (Shared course in VSC)

THA-3040 Improvisation for Actors

3 credits

Prerequisite: THA-1041, THA-2121.

This course is an introduction to the essence of improvisational acting, namely "play." Through a variety of exercises, improvisational games, solo work and improvised scenes, students should develop the confidence to let go of the need "to perform" and focus rather on the willingness "to live in the moment." They should find the courage to give up having to "get it right" and instead trust in the adventure of spontaneity.

THA-3110 Dramatic Literature:

Classical/Modern

3 credits

Prerequisite: THA-1041, 2121 and ENG-1052; or any literature course.

Study of selected plays from the classical Greek period through the modern. Plays are examined for dramatic style and structure, content, and their place in the historical evolution of drama. Attention also focuses on the predominant social, political and cultural events at the time of writing as well as the meaning and subject for the contemporary audience. (Odd years)

THA-3123 Acting III

3 credits

Prerequisite: THA-2122.

The study of period styles of acting and advanced techniques of character creation. The course emphasizes continuing

developing of practical acting craft and expanding the student's understanding of the range and variety of performance styles through the ages. The course culminates in a public performance. May be repeated for credit.(Odd years)(Shared course in VSC)

THA-3130 Introduction to Scene

Design and Stage Lighting

3 credits

Prerequisite: THA-1111.

An introduction to the basic techniques, concepts and skills required for a completed scene design for a theater production and a completed lighting design for a theater production or other performance event (e.g., dance and music concerts). Visual interpretation of a script is the preliminary point of departure. Ground plans, working drawings, elevations, color renderings, lighting plots, dimmer charts, instrument schedules and cue sheets will be the working material of the class, particularly as they apply to interpretive cooperation with actors and directors.

THA-3140 Theater History

3 credits

Prerequisite: THA-1041; THA-1111 or 2121.

Intensive study of the major aspects of theatrical production and performances in two significant historical periods in the evolution of theater from the Greeks to the middle of the 20th century. The study emphasizes practical historical research and performance that is historically accurate. In order to fully appreciate the history, students study such elements as physical theater space and architecture, audience/performer relationships, acting styles, methods of financing, scenic and costuming styles, theatrical and dramatic conventions, and social and aesthetic values of the historical period. (Odd years)

THA-3150 Introduction to Stage

Management

3 credits

Prerequisite: THA-1041 and THA-1111.

Both the art and the science of stage management will be explored in this class. Efficiency, organization, and the ability to

foresee problems are important skills the stage manager must possess. Of equal importance is the ability to communicate, to deal effectively with a wide variety of people and to maintain a sense of balance while acting as the liaison to a production staff. This class is designed to give students the "nuts and bolts" knowledge about paperwork and procedures – the first steps towards effective stage management. It will also introduce students to less tangible aspects of management such as prioritizing, problem solving, communicating, and facilitating the resolution of interpersonal conflict.

THA-3210 Introduction to Directing
3 credits

Prerequisite: THA-1041, THA-2121, and 3150.

This course covers the basic preparation necessary for the stage director before beginning actual production. Topics include auditioning and casting a production, rehearsal planning, production planning, script analysis and working with actors. A major project consisting of the preparation of the pre-production prompt book for a one-act play is required. (Odd years)

THA-3710 Special Topics in Theater
3 credits

THA-3720 Playwriting Workshop
3 credits

Prerequisite: THA-1041 or ENG-2101; permission of the instructor.

This course is designed to develop the ability of students to create a theatrically viable play. It will also include as background study the analysis of selected contemporary one-act and full-length plays of various styles, in order to understand more fully the solutions of successful playwrights to problems of dramatic structure, character creation, plot development, dialogue and theatrical style. May be repeated once for credit. (Odd years)

THA-4010 Performance and Production lab
3 credits

See THA-2040

THA-4050 Theater LAB
3 credits

See THA-2020

THA-4720 Senior Project in Theater
3 credits

Prerequisite: Senior standing. Students design and complete a project in any one or a combination of the performing or design concentrations with approval of an advisor. *Students should meet with advisors during the first semester of their senior year to begin planning for the senior project. If students elect to direct their own theater production as their senior project, THA-3150 Introduction to Stage Management and THA-3210 Introduction to Directing will be prerequisites for their senior project. (Shared course in VSC)

THA-4730 Seminar in Professional Preparation for the Actor
3 credits

Prerequisite: THA-1041, 2121, 2122.

This capstone course will focus on preparing auditions, resumes, photos, feature articles, techniques for interviewing, self-marketing and additional practicalities essential for this profession.

Admission

Applications are welcome for fall or spring semester admission. Johnson State College has a "rolling admissions" policy, which means we review applications throughout the year, within two or three weeks of receiving the applications and supporting credentials. In considering students for admission to JSC, the Admissions Office looks at a wide range of factors. We start by carefully evaluating each candidate's academic preparation, as reflected in transcripts, course selection, letters of recommendation, SAT or ACT scores, personal essay and class rank.

We recommend that students complete a college preparatory curriculum that includes:

- 4 years of English
- 2 years of college-preparatory mathematics (3 years of college-preparatory mathematics including Algebra I, Geometry, and Algebra II are strongly recommended)
- 3 years of social sciences
- 2 years of science (one course with a lab)

Applying Electronically

To be considered for admission to Johnson State College, students must apply electronically by using the Common Application at www.commonapp.org; a \$40 application fee is also required. An application in PDF format may also be downloaded from our website, but we encourage students to complete the application online. If applying online, the application fee can be paid with a credit card or electronic check through the secure Common Application online system.

First-Year Students

All candidates for admission who have not attended a college or university are considered to be first-year students. To be considered for admission, students must

complete an application and submit the following materials:

- An official high school transcript or GED test scores;
- SAT or ACT test scores;
- \$40 non-refundable application fee;
- A 300-500 word essay;
- One letter of recommendation (preferably from a guidance counselor).

Home-Schooled Students

All candidates for admission who have participated in a home schooling program must complete an application and submit the following materials:

- A Proof of Graduation*;
- SAT or ACT test scores;
- \$40 non-refundable application fee;
- A 300-500 word essay;
- One letter of recommendation (from someone other than a family member).

*Acceptable "Proofs of Graduation" include:

- Official GED test scores
- A Certificate of Completion if the home schooling program is recognized by your home state
- Report of annual approval of your program as required within your home state (an official transcript of any course work taken at a local high school is also required).
- High School Diploma (if area high school offers a diploma for home-schooled students)

Transfer Students

Transfer students should have a cumulative grade point average (GPA) of at least a 2.0. We accept credits from courses taken at accredited institutions with a grade of C or better. To be considered for admission, transfer students must complete an

application and submit the following materials:

- Official transcript(s) from all colleges previously attended with current Semester Progress Report;
- Official high school transcript or GED scores (waived for students transferring 60 or more credits);
- \$40 non-refundable application fee (waived for students transferring from another VSC institution or who have at least 12 credits within the VSC)
- A 300-500 word essay;
- One letter of recommendation (preferably from an academic advisor or professor);
- Transfer Applicant Evaluation Form (included in application packet).

Non-Traditional/Adult Students

An applicant who has been away from formal education for some time, and is at least 22 years of age, is considered an adult learner. Recognizing the diversity of life experiences that such a student brings to the application process, admission is highly individualized. Each adult applicant must complete an application and submit the following materials:

- Official high school transcript or GED test scores;
- \$40 non-refundable application fee (waived for online applications);
- A 300-500 word essay;
- One letter of recommendation from a person who can speak to the applicant's motivation and academic potential;
- Highly recommend: Personal interview with an admissions counselor.

External Degree Program (EDP) Students

Admission to the External Degree Program requires the transfer of 60 semester hours of previous college credit with a grade of C or

better. This credit may be earned in traditional college study, by completing standardized tests, or through assessment of prior experiential learning. All credit for experiential learning will be accepted for purposes of admission, but must undergo a separate evaluation for applicability to degree requirements. Students are admitted to begin in the fall, spring, and summer semesters.

Before applying, students are encouraged to speak with the advisor at their local Community College of Vermont (CCV) site to gain fuller understanding of the External Degree Program and how it may meet their individual needs. All EDP applicants must submit an EDP application for admission, found on the JSC website at www.jsc.edu/EDP, and the following materials:

- Official transcripts from all colleges/universities you have attended;
- If awarded credits for life experience, an official transcript from the Vermont State Colleges Office of External Programs;
- A \$40 non-refundable application fee (waived for online applications or students who have at least 12 credits within the VSC);
- Resume (optional).

Advanced Placement Examination Credit

Johnson State College will grant both advanced placement and course credit to students who have completed examinations through the College Board's Advanced Placement (AP) Program. A grade of 3 or higher must be achieved, and final recommendation for credit will be determined in consultation with the student's advisor and the department chairperson in the examination discipline.

College-Level Examination Program

Johnson State College considers for credit the scores received on the College Level Examination Program (CLEP). Six credits may be given for each area of the General Examination on which a student scores satisfactorily. Three credits may be given for subject examinations on which a satisfactory score is achieved.

International Baccalaureate

Johnson State College recognizes the IB and is willing to award placement and credit for IB courses on an individual basis to students who pass with grades of 4 or above on higher level exams (JSC does not award credit for standard level IB exams). It is not necessary to have completed the entire IB curriculum [the diploma] to qualify for transfer credit. Please submit an official IB transcript along with your application for admission.

Accepting the Offer of Admission

Students who have applied prior to May 1 and have been accepted for the fall semester can reserve a space in the entering class and in the residence halls by submitting a non-refundable \$300 deposit by May 1. The deposit for students not living in campus housing is \$200. Students applying for the fall semester who are accepted after May 1 should send in the deposit no later than two weeks after receiving notification of acceptance. Students accepted for the spring semester should remit their deposit by December 1, and after December 1 no later than two weeks after receiving notification of acceptance and before registration.

All admission deposits are credited to the student's account for the semester of entrance to the College. Students who defer their admission may choose to pay the

deposit in advance to be held on account with the Business Office. If the student fails to enroll within two semesters, the deposit is forfeited.

Students who have paid the deposit will receive information from the Dean of Students and the Offices of Advising, Residential Life, and Student Health to begin the registration and orientation process.

Deferral of Admission

Students may defer admission to the College up to the first day of classes. Students must inform the Admissions Office to complete this process. Once classes begin, students cannot defer their status. If students exit the College, they must submit a new application for admission. Students who defer their admission at JSC but enroll in another college must reapply as transfer students.

New England Board of Higher Education (NEBHE) Regional Student Program

Johnson State College is a member of the New England Board of Higher Education, which provides for special tuition rates (50 percent over resident tuition) for students enrolling in academic programs not offered in their home states. To apply for participation in the Regional Student Program (RSP), students should indicate on their applications that regional student status is desired. A student may transfer into RSP from another program at Johnson State after first filing an approved Plan of Study for the program that qualifies under the latest contract. A student may also transfer into RSP from another institution. In both cases, the student is eligible for status from the first semester of enrollment in the eligible program of study.

Continuation of regional student status is contingent upon the student's enrollment in the originally declared major. Students who do not enroll in the declared major, or

who change majors during their college career, will be liable for the payment of out-of-state tuition for all semesters subsequent to the academic program change.

Further information can be found in the booklet, "New England Board of Higher Education Regional Student Program," available from the New England Board of Higher Education, 45 Temple Place, Boston, Massachusetts 02111, (617) 357-9620 or <http://www.nebhe.org/>

(This list changes periodically. Check with the Admissions Office for the most current listing of RSP programs.)

New England Regional Student Program Academic Major Eligibility

A.A.	Technical Theater	CT, MA, ME, NH
B.A.	Hospitality & Tourism Management	CT, ME, RI
B. A.	Musical Theater	MA
B.A.	Outdoor Education	CT, MA, ME, RI
B.S.	Wellness & Alternative Medicine	CT, MA, ME, NH, RI
B.F.A.	Creative Writing	CT, MA, NH, RI
M.F.A.	Studio Arts	ME, NH, RI

Good Neighbor Policy

The External Degree Program is more easily accessible to some residents of New Hampshire, New York and Massachusetts than is their own nearest state college site. In order to support the needs of these non-residents, the College will charge 150 percent of Vermont tuition rate to matriculated EDP students for whom the local EDP site office is closer to their legal residence than their nearest resident state college.

Readmission to Johnson State College

Former JSC students returning within one year of exiting need not reapply if an official Leave of Absence was granted by the Registrar's Office. All other JSC students seeking readmission are required to submit an application for readmission.

International Students

Students from other countries may apply for admission into associate's and bachelor's degree programs at the college. To be considered for admission, international students should complete the Johnson State College International Application for Admission and submit it along with all the credentials it requires.

Priority deadlines

Johnson State College accepts and reviews applications for undergraduate study from international students on a year-round basis. However, we recommend that you submit your application materials by the following priority deadlines to give yourself ample time to arrange for immigration paperwork to be processed.

Undergraduate student priority application deadlines:

- **Fall semester** (August-December): March 1
- **Spring semester** (January-May): November 1

Academic Credentials for International Students

Applicants with foreign academic credentials must provide:

- Academic records in the original language and a certified English translation;
- Official secondary school transcripts and an official leaving certificate or diploma;
- Results of secondary external examinations (such as the West African Exam Council General Certificate of Education), if applicable;

- Official transcripts of any university-level studies already completed;
- For Johnson State College to consider accepting transfer credits from foreign institutions, students must have their post-secondary academic transcripts evaluated by an official foreign credential evaluation service;
- Students are responsible for paying for the credential evaluation and translation fees

** A list of credential evaluation services can be found at www.edupass.org*

Proficiency in the English Language Requirement

Success at Johnson State College, for all students, requires proficiency in reading, writing and speaking English. For this reason, foreign students seeking admission to Johnson State College must demonstrate their proficiency by taking the Test of English as a Foreign Language (TOEFL).

Financial Documentation for International Students

Johnson State College is required to obtain verification of its international students' financial resources. All international students must demonstrate that funds exist at least for the student's first year of study and, barring unforeseen circumstances, that adequate funding will be available from the same or equally dependable sources for subsequent years.

International applicants must complete the financial documentation form included in the International Application for Admission, and supply official financial documents, on official letterhead or with an official seal, in support of the form.

Demonstrating Financial Support

Students may demonstrate financial support the following ways:

- If you will be supported by your government or sponsoring agency, submit an official copy of your sponsorship award letter;

- If you will be supported by private funds,* the sponsor** must complete the Foreign Student Certification of Finances, and submit supporting documents demonstrating that sufficient funds are available to cover expenses of the student studying in the U.S.A.

Appropriate documents for financial verification include:

- Official proof of personal or family savings
- Bank-issued certified letters stating available funds
- Official bank statements
- Bank books
- Official tax documents

**If support is to come from a sponsor within the United States, the sponsor should complete INS form I-134 (Affidavit of Support) available at <http://www.uscis.gov>*

*** Students may be supported by parents, relatives, business persons or other benefactors.*

Outside Sources of Funding

Johnson State College encourages its international students to seek financial assistance through outside sources and sponsors. For more detailed information on the availability of financial aid for foreign students, we encourage you to visit the following websites:

- eduPASS- www.edupass.org
- International Education Financial Aid- www.iefa.org
- NAFSA- www.nafsa.org

Accepting the Offer of Admission

When the Office of Admissions receives your completed application and supporting documentation, you will be notified of our decision within three to four weeks.

If you are admitted to Johnson State College, a \$300 deposit is required to guarantee your space for that academic year. We will issue the INS (U.S. Immigration and Naturalization Services) form of I-20 after receiving the deposit money. This form will allow you to apply to

your U.S. embassy for an F-1 student visa. This visa is the document you need to enter any U.S. ports. Please contact the U.S. embassy in your country for the required documents to apply for an F-1 student visa. Useful information about immigration-related topics can be found at <http://www.uscis.gov>

Non-Native Speakers

All non-native English speakers need to provide evidence that they have attained a proficiency in the English language satisfactory to our admissions requirements and to our ability to serve them through our current ESL support services. Non-native speakers seeking admission to Johnson State College may demonstrate their proficiency by taking the Test of English as a Foreign Language (TOEFL). Official TOEFL scores must be submitted to Johnson State College from the Educational Testing Service; a photocopy of TOEFL scores will not be accepted.

Score Requirements for Undergraduate Applicants

Students with TOEFL test scores between 500-549, or 61-80, on the internet-based test will be required to expand their proficiency in English. Typically, these students will enroll in a two-semester sequence of ESL courses in writing and reading, grammar, and listening and speaking during their first year at JSC.

Exceptions to the TOEFL requirement may be made for students who have had the opportunity to use spoken and written English for a sustained period of time either through life experiences or through post-secondary education. Students who have been granted a waiver of the TOEFL requirement may be required to pursue 12-15 credits of ESL course work during their first year of study.

Our institutional code for the TOEFL is 3766.

Learning More About Johnson State College

In addition to completing a formal application to the College, prospective students are encouraged to schedule an interview or information session with an Admissions counselor. Applicants who have any disability (physical or learning), or who have limited English proficiency, are encouraged to contact the Admissions Office so that special needs or accommodations can be made available where appropriate throughout the admissions process. Send questions by email to jscadmissions@jsc.edu or call us at 800-635-2356.

The Jump Start Program

This program is available to juniors and seniors in high school, at least 16 years of age, who demonstrate the abilities and commitment to undertake college work. This program is designed for students who show significant talent in an academic area and who desire to challenge themselves on the post-secondary level. To be considered for admission, students must be enrolled full-time in high school or an approved home school program, and must:

- Complete the Jump Start Application;
- Submit at least one letter of recommendation from a guidance counselor, principal, or teacher describing their interest in the program and likelihood of success;
- Arrange an interview with the Jump Start Coordinator;
- Bring a high school transcript to the interview.

Typically, students in this program will be permitted to register for two first or second-year college courses, on a seat-available basis.

Financial Aid

Although the primary responsibility for financing students' education rests with their families, the Financial Aid Office at Johnson State College administers a comprehensive financial aid program to help students who would otherwise be unable to afford a college education. JSC offers various scholarships, grants, loans and part-time employment to help close the gap between students' financial resources and their educational expenses. Since resources are limited, students should apply for federal, state and institutional aid early. All financial aid awards are dependent upon availability of funds and demonstration of financial need. All aid programs are subject to change due to changes in state or federal legislation.

Financial Aid Eligibility

To be eligible to receive financial aid, a student must:

- Be a U.S. citizen or eligible non-citizen (permanent resident),
- Generally be enrolled in a program leading to a degree or certificate,
- Be in good standing and maintaining satisfactory progress,
- Not owe a refund or repayment on any previously received Title IV financial aid funds,
- Not be in default on previously received national direct/defense (Perkins) or guaranteed (Stafford or direct student loans), and
- Be registered with the Selective Service (for males 18 years of age or older and born on or after January 1, 1960, if not currently a member of the U.S. Armed Forces).

Eligibility for specific aid programs is determined on the basis of financial need: the difference between the cost of attendance and what the family is expected to contribute. Need is determined on the

basis of information submitted on the Free Application for Federal Student Aid (FAFSA) or the Renewal FAFSA. Continued eligibility, once students are in attendance, depends upon students meeting the general criteria listed above, documenting need for each academic year and remaining in good academic standing. Please contact the JSC Financial Aid Office for more information on eligibility requirements.

Financial Aid Application Procedures and Deadlines

Applying for Need-Based Aid

To be considered for any type of need-based aid, including loans, students should file the Free Application for Federal Student Aid (FAFSA). Be sure to include Johnson State College's **code number, 003688**, on the FAFSA. A FAFSA or Renewal FAFSA must be submitted each year for continued consideration for assistance. Students need to apply for financial aid on-line by going to the FAFSA website:

<http://www.fafsa.ed.gov>. In addition to the FAFSA or Renewal FAFSA, students should also complete state grant applications.

Vermont residents can apply for a Vermont state grant by completing the VSAC Grant Application on-line at

<http://www.vsac.org>. Residents of other states should contact their higher education agency to inquire about state grant application procedures and deadlines.

Application Deadlines

Students should apply for financial aid as soon as possible after January 1. JSC's priority deadline for new students (freshmen and transfers) is March 1. To ensure that an application has a processed date of March 1, students are encouraged to complete the FAFSA by February 1. New students must be accepted to JSC before a

financial aid award will be offered; students should not wait until they have applied for admission or have been admitted to apply for financial aid. Tentative award notifications are usually mailed to new, on-time applicants in April.

JSC's priority deadline for currently enrolled students is May 1. Complete the FAFSA online at <http://www.fafsa.ed.gov> by April 1 to ensure that an application has a May 1 processed date. While applications received after the priority deadlines will be reviewed, institutional aid is limited and late applicants may lose out on some types of funds. JSC may require that additional information such as tax returns, W-2s, and proof of untaxed income be submitted prior to disbursing financial aid. Award notifications are usually mailed to on-time applicants in June.

Important Note

Federal regulations require that all federal aid must be disbursed to a student's account within 180 days of the last date of the semester for which the aid was awarded. If a student does not complete the semester for which the aid was awarded, aid must be disbursed within 180 days of the

last date of the student's attendance in that semester. Therefore, the Financial Aid Office must receive all requested information in a timely manner in order to allow required processing time before disbursements can be made.

Financial Aid for Summer College

Most financial aid at JSC is awarded for use during the fall and spring semesters; JSC has limited financial aid available for the summer session. Generally, a FAFSA must be received by the federal processor by April 1 for consideration of summer aid. Students must also complete a JSC Summer Payment/Financial Aid Application Form found in the summer course bulletin or on the JSC web site. Also, refer to the summer course bulletin for further information on financial aid procedures or call the Financial Aid Office.

JSC awards Pell Grants and Direct Loans to eligible students who have completed the FAFSA and JSC Summer Payment/Financial Aid Application Form.

Financial Aid for Students with Previous Baccalaureate Degree

Students must indicate on the FAFSA their degree status. Students who have previously earned a baccalaureate degree are not eligible to receive Pell Grants, SEOG or VSAC Grants. However, they may receive Federal Perkins Loans, Federal Work-study and Federal Direct Loans. Student must complete the Free Application for Federal Student Aid (FAFSA) to be considered for any type of federal aid. Apply online at www.fafsa.ed.gov.

The following need-and merit-based aid programs are available to assist a large percentage of Johnson State College students.

Federally Funded Aid Programs	Eligibility	Financial Aid Award Amounts
Federal PELL Grant	Awarded to eligible undergraduates who have not earned a bachelor's degree.	Ranging from \$550-\$5,500 (determined by the federal government based on expected family contribution)
Federal Supplemental Education Opportunity Grant (FSEOG)	Awarded to assist undergraduates with exceptionally high financial need. Priority is given to PELL eligible students.	Awards range from \$500-\$2,500 and are based on the availability of funds.
Academic Competitiveness Grant (ACG)*	Awarded to undergraduates enrolled at least half time in their first or second year and have completed a rigorous secondary school program. Students must be a U.S. citizen or eligible non-citizen and be PELL eligible. First-year students must have a high school graduation dates after Jan. 1, 2006, and have not been previously enrolled in an undergraduate program. Second-year students must have a high school graduation date after Jan. 1, 2005, and have at least a 3.0 GPA after their first year as an undergraduate.	The award amount is up to \$750 for the first academic year and up to \$1,200 for the second academic year. *This grant program is scheduled to be discontinued by the federal government after the 2010-2011 academic year.
National Science and Mathematics Access to Retain Talent Grant (National SMART Grant)*	Awarded to undergraduates enrolled at least half-time in their third or fourth year. Students must be a U.S. citizen or eligible non-citizen, a PELL recipient, and in an eligible degree program majoring in physical, life, environmental, or computer sciences, engineering, technology, mathematics or a critical-need foreign Language and have at least a 3.0 cumulative GPA.	Award amounts up to \$3,000 for the academic year. *This grant program is scheduled to be discontinued by the federal government after the 2010-2011 academic year.

Federally Funded Aid Programs	Eligibility	Financial Aid Award Amounts
Federal Perkins Loan	Low interest loan (5%) subsidized loan. No interest accrues while the student is enrolled at least half time.	Range from \$500-\$1,500 and based on the availability of funds.
Federal Direct Subsidized Loan	Long term, low interest loan. No interest accrues while the student is enrolled at least half time. The interest rate is fixed at 4.5%.	Visit the JSC website for loan eligibility amounts based on completed credits.
Federal Direct Unsubsidized Loan	Borrower is responsible for interest during life of the loan. Student must be at least half time to borrow. The fixed interest rate is 6.8%.	Visit the JSC website for loan eligibility amounts based on completed credits.
Federal Direct Parent PLUS Loan	Fixed interest (7.9%) loan enables parents with a good credit history to borrow for educational expenses for their dependent student.	PLUS Pre-Application (available on the JSC Web site) is required. Parents can borrow the difference between cost of attendance and aid awarded.
Federal Work-study Program (FWS)	Provides on-campus employment for students to earn money to pay for educational expenses.	Award is generally \$1,500 (Student is allotted \$750 per semester.)
Vermont Student Assistance Corporation (VSAC) and State Incentive Grant Programs	<ul style="list-style-type: none"> • FAFSA required • VSAC Grants are restricted to undergraduates who are permanent residents of Vermont. Complete the VSAC Grant Application at www.VSAC.org. • Non-residents are encouraged to contact their State Higher Education Agency for information on application procedures and deadlines for possible state funding. 	Grant amounts are determined by the individual state agencies that offer state grants.

**Students must complete the Free Application for Federal Student Aid (FAFSA) to be considered for any type of aid listed. Apply online at www.fafsa.ed.gov*

Satisfactory Academic Progress

Johnson State College matriculated undergraduate and graduate students must progress at a rate that ensures completion of their degree programs within a reasonable time frame in order to maintain eligibility for financial aid. Students are required to successfully complete credit hours totaling at least 67% of their credit hours attempted. For financial aid eligibility, total credit hours attempted, including transfer credits, cannot exceed 150% of graduation requirements.

Undergraduate students with fewer than 30 attempted credits must maintain a cumulative GPA of 1.75. Undergraduate students with 30 or more attempted credits must maintain a cumulative GPA of 2.0. Graduate students must maintain a minimum 3.0 cumulative GPA.

Students will be reviewed on an annual basis to ensure adherence to this policy. Any student not meeting the time progression standard or the minimum GPA requirements described above will be placed on Financial Aid Probation for a one-year period. During this probationary period, the student may maintain financial aid eligibility.

If, at the end of the probationary period, the student is not meeting the required credit hour standard and cumulative grade point average standard, the student's eligibility for further financial aid will be withdrawn until the student has met the required standards. Students whose aid has been withdrawn for not maintaining satisfactory academic progress according to the policy stated above may appeal their loss of aid in writing to the Financial Aid Office. Forms for this appeal are available from the Financial Aid Office. Appeals will be reviewed by the Financial Aid Appeal Board. Students must include in their appeal the reasons for not meeting the satisfactory academic progress standard. Reasons for appealing may include medical

emergencies or family crises. Supporting documentation should be submitted with appeals. Students will be notified in writing of the Appeal Board's decision.

Students whose aid has been withdrawn should notify the Financial Aid Office when they have met the requirements for Satisfactory Academic Progress for Financial Aid eligibility. Students will be notified in writing whether or not reinstatement has taken place. Students are encouraged to observe all routine application procedures and deadlines for financial aid while awaiting notification of reinstatement.

This policy applies to students receiving:

- Federal Pell Grants
- Federal Supplemental Education Opportunity Grants (SEOG)
- State Incentive Grants
- Federal Work-study
- Federal Perkins Loans
- All Federal Direct and PLUS Loans
- JSC Institutional Grants and Scholarships
- Federal Academic Competitiveness Grant (ACG)
- Federal National (SMART) Grant

Veterans' Benefits

Students eligible to receive veterans' education benefits must contact the Registrar's Office and arrange to have their enrollment certified with the Veterans Administration. The amount of monthly checks is determined by full- or part-time enrollment status. In order to receive maximum benefits, students must be enrolled full-time in at least 12 credits during a regular semester. Those enrolled in fewer than 12 credits receive proportionately smaller benefits.

Enrolling in an independent study (research, field work, internship) or in music or health and physical education courses may affect the amount of monthly

checks. Students contemplating enrolling in these courses should call the V.A. to determine exactly how benefits will be affected. V.A. regulations exempt some internship experiences from reduction in benefits. Veterans enrolling in an internship should consult the Registrar's Office to determine whether their internships comply with these special regulations.

To be considered for maximum benefit payments, the internship must comply with the following special V.A. criteria in addition to meeting regular Johnson State College requirements:

- Each approved field experience must have a college faculty member as an assigned instructor and must be supervised by the College.
- The planned program of activities must be controlled by the College.
- Meetings must be regularly scheduled on at least a weekly basis to provide for interaction between the instructor and the student. (Class attendance is defined as any regularly scheduled meeting with the instructor, regardless of location.)
- Appropriate assignments must be required.
- The grading system must be the same as that used for in-residence courses at the College.
- Required preparation and training time per credit hour must be at least as great as normally required for other courses offered at the College.
- The field experience approved by the College must be required for graduation.
- The field experience must be measured in the same unit (semester credits) as other courses.
- Students residing off campus and expecting a refund of financial aid funds for living expenses will not receive those funds until after the add/drop period.

The student veteran is responsible for seeing that the internship contract form

explicitly indicates how each of these criteria is met.

Costs

Tuition and Fees

2010/2011	VERMONT RESIDENT		NON-VERMONT RESIDENT		NEHBE PROGRAM	
	Semester	Year	Semester	Year	Semester	Year
Tuition (Full-time undergraduate 12-18 credits)	\$4,116.00	\$8,232.00	\$9,048.00	\$18,096.00	\$6,168.00	\$12,336.00
Housing (double)	\$2,418.00	\$4,836.00	\$2,418.00	\$4,836.00	\$2,418.00	\$4,836.00
Board (full meal plan)	\$1,642.00	\$3,284.00	\$1,642.00	\$3,284.00	\$1,642.00	\$3,284.00
Student Activity Fee* (for full-time students)	\$106.00	\$212.00	\$106.00	\$212.00	\$106.00	\$212.00
Campus Initiative Fee* (for full-time students)	\$271.00	\$542.00	\$271.00	\$542.00	\$271.00	\$542.00
Health Insurance**	\$1,407.00	\$1,407.00	\$1,407.00	\$1,407.00	\$1,407.00	\$1,407.00
Estimated Total (This total represents a full-time student)	\$9,960.00	\$18,513.00	\$14,892.00	\$28,377.00	\$12,012.00	\$22,617.00
Miscellaneous Expenses (books, transportation, and personal needs)	\$1,125.00	\$2,250.00	\$1,225.00	\$2,450.00	\$1,225.00	\$2,450.00

*Part-time, matriculated students are charged a pro-rated amount for the Student Activity Fee and the Campus Initiative Fee. The Student Activity Fee and Campus Initiative Fee are not charged to EDP students. EDP students pay an EDP Services Fee. (See "Explanation of Fees on page 209.")

** The health insurance charge of \$1,407 is a yearly rate and is based upon a student enrolling at

JSC in the Fall semester. Students enrolling for the spring semester are charged \$925.

Additional Fees

Application for Degree Fee	\$ 76
Automobile Registration Fee	\$ 50/year
Course Change Fee (<i>after add/drop period</i>)	\$ 18/course
Course Fee (<i>applies to certain courses only</i>)	varies/course
Late Financial Clearance Fee	\$100
Orientation Fee (new students):	
Fall Semester	\$ 205
Spring Semester	\$ 93
Registration Fee (<i>for non-degree students</i>)	\$ 50/semester
Student ID Replacement Fee	\$ 25

Per Credit Hour Rate (part-time or over 18 credits):

Vermont Resident	\$343 / credit
Non-Vermont Resident	\$754 / credit
NEHBE	\$514 / credit

Tuition

Full tuition and fees are charged to undergraduate students registered for 12 to 18 credit hours per semester. Students taking fewer than 12 credits are considered part-time students and are billed by the credit.

Students taking more than 18 credits are billed on a per credit basis for the additional credits above 18, at the extra credit hour rate set forth in the preceding listing of additional fees.

Vermont residents age 65 or older (as of the first date of classes), who are not matriculated, receive a full tuition waiver. These students may not take the place of a paying student in courses with enrollment limits. No discount is applied to course fees or other student fees.

During the summer, all out-of-state residents are charged the in-state tuition rate plus 50 percent.

Family Waiver

In recognition of the financial burden placed on families with more than one family member in college at JSC, the

College offers a reduced rate for dependent family members who are concurrently enrolled in the College's undergraduate programs (including EDP). Tuition charged to the second and subsequent members of the same family unit concurrently attending JSC will be reduced by 25 percent, provided that all such family members are enrolled as undergraduates pursuing studies on a full-time (12+ credit hours) basis.

Members of the same immediate family unit shall include:

- Siblings when they are dependents of their parents;
- Parent and children combinations (when such children 24 years of age or younger, are dependent of their parents);
- Husband and wife;
- Parties to a civil union.

Room and Board

Students living in the college residence halls are charged per semester for their room and board. All students living in the residence halls are charged the full-meal plan (21 meals per week) each semester. Students may arrange for an alternate meal plan by contacting the Business Office no later than the end of the second week of classes each semester.

Explanation of Fees

Application for a Degree Fee

This fee covers the costs of a review of the degree plan, a diploma, and Commencement-related activities. All students are charged this fee regardless of their attendance at the Commencement Ceremony. Students receiving two degrees at separate ceremonies will be charged the full fee each time. Graduates attending commencement exercises are required to purchase a cap and gown, at an additional cost through the College bookstore.

Automobile Registration

Any student operating a motor vehicle on College property must register the vehicle with the Department of Public Safety. Each year a \$50 fee is required.

Books and Supplies

Students should budget at least \$500 per semester for books and supplies. The College Bookstore operates on a cash basis and does not extend credit. It does, however, accept Visa, Amex, Discover, and MasterCard. Additionally, during the add/drop period, students who have been given clearance by the Business Office may charge books and supplies to their student account. Forms may be obtained at the College Bookstore.

Campus Initiative Fee

This fee helps support the development of facilities and other campus needs for JSC students. The fee is \$271 per semester for full-time students. Part-time students taking fewer than 12 credits pay \$23 per credit.

Course Change Fee

This fee is charged for each course added or dropped after the specified "add/drop" period.

Course Fee

Certain courses require billing of fees to cover special materials, studio, or instructional costs. Course fees are listed in each semester's course bulletin and on Web Services.

EDP Services Fee

This fee helps to defray the costs associated with running a long-distance degree program. The charge is \$156 per semester for full-time enrollment (12 or more credits) and \$13 per credit for part-time enrollment. This fee is charged to EDP students only.

Health and Accident Insurance

Health insurance is mandatory for all full-time undergraduate and graduate students not otherwise covered. A student must either accept the College insurance or certify their existing coverage through the health insurance link in Blackboard's VSC Web Services. This must be completed before the student's payment will be considered finalized. Failure to complete this will result in the student automatically being enrolled and billed for the College insurance.

Late Financial Clearance Fee

This fee can be charged to students who do not meet the published deadline for finalized payment.

Orientation Fee

This fee covers the cost of the Orientation Program, which acquaints new students with the campus and services available to them.

Refunds for Resignation or Leave of Absence

In the event of withdrawal, dismissal, resignation, Leave of Absence, or the dropping of classes in a manner that affects student charges, including tuition, room and board, course and other fees, any refund will be calculated on a daily pro-rata basis, using the same schedule utilized to determine the amount of the federal Title IV returns, with the following exceptions:

1. If a student withdraws during the first seven calendar days of the semester, the amount of refund of all student charges (tuition, fees, room and board) will be 100 percent.
2. If a student withdraws after the 60 percent point of the semester, the amount refunded for charges for tuition, fees, and room will be zero.
3. Fees paid to acquire college health insurance are NOT refundable.

4. If a student is suspended or dismissed from on-campus housing, there will be no credit of room charges. However, board charges will be credited for each full week of suspension/dismissal from on-campus housing.

NOTE: Ceasing to attend classes does not constitute the dropping of classes or withdrawal from the College. In order to be eligible for a refund/repayment pursuant to the above schedule, a student MUST notify the Dean of Students and the Registrar's Office of his/her withdrawal.

Registration Fee

This \$50 per-semester fee is required of each part-time, non-degree student who enrolls in one or more courses during a semester.

Student Activity Fee

This fee covers the expense of student clubs, activities, and publications. Full-time, matriculated undergraduate students pay \$106/semester. Matriculated, undergraduate students, except for EDP students, enrolled for fewer than 12 credits pay \$9 per credit.

Student Identification Card Replacement Fee

Each student is issued an identification card free of charge. A \$25 fee is charged for replacement cards.

Vermont State Colleges In-State Residency Requirements Policy (301)

The following requirements must be met by a student prior to being granted resident status for the purpose of admission, tuition, and other VSC charges:

1. The student shall be domiciled in Vermont, said domicile having been continuous for one year immediately prior to the date of enrollment unless the student, in accordance with 16 V.S.A. §2185, is a member of the armed forces of the United States on active duty

who is transferred to Vermont for duty other than for the purpose of education. Domicile shall mean a person's true, fixed, and permanent home, to which he/she intends to return when absent. Domicile shall not be dependent upon a person's marital status. Although domicile may have been established, a student is presumed to be an out-of-state resident for tuition purposes if he or she moved to Vermont or continues residence in Vermont for the purpose of attending a Vermont institution of higher learning or qualifying for resident status for tuition purposes. Such presumption is rebuttable.

2. The student must demonstrate such attachment to the community as would be typical of a permanent resident of his/her age and education. The College's Chief Admissions Officer shall consider in the determination of residency for tuition purposes, among other factors: voter registration, property ownership, payment of income and property taxes, automobile registration and driver's license.
3. Receipt of significant financial support from the student's family will create a rebuttable presumption that the student's residence is with his/her family. A student who has not reached the age of eighteen shall be presumed to hold the residence of his or her parents or legal guardian. The presumption shall be rebuttable.
4. A student who moves into Vermont within one year of enrollment shall be presumed to have moved to Vermont for the purposes of attending a Vermont institution of higher learning and qualifying for resident status for tuition purposes. This presumption shall be rebuttable.
5. A student who is eligible for tuition purposes to enroll as a resident student in another state shall not be enrolled as a "Vermont Resident." The inability to enroll as a resident student in another state does not by itself establish residency in Vermont for tuition

purposes. Additionally, a domicile or residency classification assigned by a public or private authority neither qualifies nor disqualifies a student for in-state residency status at a member College. However, such classification may be taken into consideration by the chief admissions officer.

6. A student enrolling at the Vermont State Colleges shall be classified by the College's Chief Admissions Officer as a resident or non-resident for tuition purposes. The decision by the officer shall be based upon information furnished by the student and other relevant information. The officer is authorized to require such written documents, affidavits, verifications or other evidence as he/she deems necessary.
7. The burden of proof shall, in all cases, rest upon the student claiming to be a Vermont resident for tuition purposes by clear and convincing evidence.
8. Changes in residency status for tuition purposes shall become effective for the semester following the date of reclassification.
9. A student with resident status for tuition purposes will lose that status if he/she, at any time, fails to meet the above requirements. In this event, resident tuition and other charges shall continue in effect only until the end of the academic year.
10. The decision of the College's Chief Admissions Officer on the classification of a student as a resident or non-resident for tuition purposes may be appealed in writing to the College's Dean of Administration. Further appeal of a classification of a student's residency for tuition purposes may be made in writing to the Office of the Chancellor. The decision of the Office of the Chancellor shall be final.
11. An applicant for admission or enrollment may obtain a determination of residency status for tuition purposes in accordance with the above criteria

and procedures in advance of admission or enrollment.

Payment Procedures

Finalize Payment with the Business Office

All students must finalize payment with the Business Office. "Finalize Payment" means that all semester charges and any previously due balance are

- Paid in full;
- All financial aid (grants, loans, scholarships) are ready to be disbursed;
- Covered by a monthly payment plan for tuition and fees sufficient to cover semester charges;
- Covered by any combination of the above.

Monthly Payment Plan

A payment plan is available through Blackboard's student services portal. Students using this monthly payment plan will be considered having finalized payment, upon confirmation of plan participation. The plan enables the student or parent to pay all or part of the semester's charges in 4 or 5 equal installments starting July 1. Participation in the plan may start after July 1. Visit Blackboard's student services portal or call the Business Office for more information.

Payment Due Dates

Student's bills are posted to Blackboard's student services portal on the 1st and 15th of each month. Payment is due 10 days before the first day of the academic term or as specified in a communication from the Business Office. A late fee is charged to all students if payment has not been finalized by the payment due date. Students owing money from prior semesters will not be permitted to register for classes until the outstanding balance is paid. Current semester bills that are not paid in full by the end of the semester will result in withholding of transcripts and possible

administrative dismissal until a satisfactory settlement has been made.

Students can receive supplemental charges during a semester for such items as residence hall charges or parking fines, which are viewed through Blackboard's student services portal and are due 30 days from the date on the bill.

Application of Financial Aid Awards

Financial aid that has been reported to the Business Office is credited as follows:

- Grant funds authorized by the Financial Aid Office are credited directly to the student's account.
- Perkins Loans and Federal Direct Loans will be credited to student's accounts after promissory notes have been signed.
- Students who anticipate receiving financial assistance from sources other than the College are reminded that they should make arrangements to have payments forwarded to the Business Office as early as possible. Confirmation of other sources of financial assistance should be included with the payment deferral form.
- Paychecks are issued to students for work study and other campus employment once a student obtains a job and begins submitting time sheets. Anticipated employment earnings cannot be used as a credit against a student's account.
- Students residing off campus and expecting a refund of financial aid funds for living expenses will not receive those refunds until after the add/drop period.

Refund Policy

Tuition, Fees, Room and Board: If a student exits or is dismissed during the first seven calendar days of the semester, the student will be credited 100% of the charges for tuition, student activity fee, and room and board. After the first seven days and before the end of the 60% point of the semester, students who are exiting will be credited tuition, student activity fee, room and

board on a pro-rata basis. The pro-rata calculation will use the number of calendar days completed divided by the number of total calendar days included for the full semester. After the 60% point of the semester, there is no adjustment for tuition, fees, or room. Meal plans will continue to be pro-rated until the end of the semester.

Tuition Adjustments

Any adjustments in tuition charges will be based upon the courses on record at the end of the second week of the semester. No tuition refund will be given for any half-semester course dropped after the second week of the semester. There will be no refunds for drops made during the mid-semester add/drop period. There are no refunds for approved late withdrawals.

The student or parent may appeal the refund policy as applied if individual circumstances warrant exceptions to the policy. Appeals may be forwarded to the Dean of Administration.

Adjustments to Financial Aid Awards

Financial aid awards may need to be adjusted if a student exits the College during a semester. Federal regulations will be used for the return of Title IV funds for students eligible for federal financial aid. Federal regulations will also be used for the return of institutional aid. Other aid, such as state grants and outside scholarships will be returned as specified by the grantor. If a student stops attending all classes and does not complete an Exit Notification and Leave of Absence Form at that time, any Title IV funds received by that student may be adjusted or cancelled. The student may then be responsible for his/her bill.

If Title IV money needs to be returned, it will be returned in the following sequence:

- Federal Unsubsidized Loan
- Federal Subsidized Loan
- Federal Perkins Loan
- Federal PLUS Loan
- Federal Pell Grant
- FSEOG
- ACG
- National SMART Grant

Employment through the Federal Work Study Program is terminated on the date the student withdraws. Awards from sources other than the College and Title IV funding are adjusted according to the source agency's own policy.

External Degree Program (EDP) follows the same refund policies as noted above. If an EDP student withdraws from a course at another institution, the student will be charged the prorated tuition and fees that the other institution applies.

Administrative Dismissal

Students with outstanding overdue balances on their accounts and who have not responded to Business Office inquiries for payment, or who have indicated a refusal to pay that balance, are subject to administrative dismissal from the College. Dismissed students must cease attending all classes immediately, will not receive any credit for work done during that semester, and will still remain liable for the unpaid balance.

Students dismissed for academic or disciplinary reasons are liable for all tuition, room charges, and fees for that term.

Student Services

Academic and Student Life

Orientation

New first-year and transfer students are required to attend an orientation program that occurs just prior to the start of the semester. Students will participate in a series of meetings, information sessions, small-group activities, social gatherings, and special events intended to ensure a successful transition to Johnson State College. Administrators, faculty, staff, and upper-class students are available to assist students with their introduction to the JSC community. Students will have an opportunity to discuss academic requirements, social and recreational activities, and the regulations and rules governing college life.

Office of First-Year Experience

The First-Year Experience Program includes a variety of programs and services designed to help first year students make a successful transition to the demands of college life. FYE is comprised of the following options.

- New Student Orientation
- First-Year Seminars
- Common Reading Initiative
- Residential Programming
- First-Year Academic Advising
- Peer Mentoring
- Career Guidance

Johnson State College faculty, staff, and administrators truly value students and want each of them to be successful. The College has developed a comprehensive, coordinated approach toward the First-Year Experience.

The Advising and Career Center

The Johnson State College Advising and Career Center coordinates a variety of programs and services that encourage students to be active participants in their own educational and career development. The Advising and Career Center is a hub for local, national, and international experiential learning opportunities that support career exploration and connect learning to life beyond Johnson State College.

Advising and Career Center Programs & Services

- Career development & planning
- Job/internship/volunteer postings
- International Student Support
- The National Student Exchange
- Study abroad
- Choosing a major
- Career resource library
- Academic advising

The Advising and Career Center maintains a resource library and online services that support students in choosing a major, exploring career options, and gaining hands-on experience through internships, service learning, and exchange opportunities. The Advising and Career Center also maintains the 'Career Hub,' an online database of jobs, internships, volunteer opportunities and alumni mentors. Advising and Career Center advisors offer one-on-one and group career counseling and provide resume writing and job search assistance.

The National Student Exchange

The National Student Exchange (NSE), coordinated out of the Advising and Career Center, is a network of nearly 200 colleges and universities in the United States and Canada. Through NSE, JSC students who

meet the eligibility requirements can spend a semester or a year at one of these institutions, earning credit toward their JSC degree. International exchange opportunities are also available through participating institutions that open their study abroad programs to NSE exchange students.

Study Abroad

Johnson State College supports students in gaining a global education through Study Abroad. In addition to the study abroad opportunities available through NSE, many JSC programs and faculty sponsor short-term international study tours, field research projects and service learning opportunities. Early planning is encouraged to assure the timely completion of all academic degree requirements. Students considering a semester abroad should meet with an advisor in the Advising and Career Center six months prior to the semester in which they wish to study abroad. It is important that all study abroad experiences that are not tied to a class be arranged through the Advising and Career Center.

International Students

Johnson State College creates opportunities for the campus community to meet and interact with students of multicultural and international backgrounds. With ever increasing internationalism, Johnson State College promotes the enrollment and participation of international students who help expand the JSC community's awareness of world and intercultural issues and events. In the past, international students at JSC have come from many countries including Canada, Columbia, Jamaica, Korea, Mexico, Brazil, Saudi Arabia, Sweden, Japan, Pakistan, France, Poland, Indonesia, Norway, Congo, Sudan, Romania, China, Gabon, Argentina, and the Philippines.

JSC offers a wide range of support to international students to assist in a

successful transition to the U.S. and college studies. JSC provides:

- Orientation to campus and community life;
- Support for cultural and academic adjustment;
- Advice and assistance with career, immigration and visa matters;
- Advocacy on behalf of international students' needs and multicultural perspectives on campus.

Academic Advising

The Advising and Career Center provides academic advising services that complement the faculty advising system. Advisors are available to assist students in choosing a major, understanding degree requirements and considering educational and career goals. The Advising and Career Center coordinates summer orientation and new student registration programs for incoming students and manages advisor assignments and change of advisor requests.

Academic Computing Center

The Academic Computing Center, located on the second floor of the Library and Learning Center, serves as the "hub" of academic computing at JSC. It is fully staffed and equipped with 40 Pentium workstations, all of which provide Internet and e-mail access. In addition, the college supports five other dedicated computer labs, two for science and mathematics, one for behavioral sciences and education, one for business and hospitality and tourism management, a MIDI lab for the fine and performing arts, as well as digital imaging and video editing systems for student use.

Academic Support Services

Academic Support Services offers a range of support to JSC students as they progress through their college careers. Our goal is to provide support that empowers students to successfully complete their college education and prepares them for further education and employment.

Services for TRiO Students

Academic Support Services is partially funded by a Federal TRiO grant from the U.S. Department of Education. The purpose of TRiO is to provide support to populations typically under-served by colleges. While we serve all students at JSC, priority is given to those who qualify for service under the TRiO program. To be eligible for grant services, a student must meet at least one of the following criteria:

- Be from a family where neither parent completed a four-year bachelor's degree;
- Be from a low income background;
- Have a documented disability.

Academic Support Services offers the following services to students accepted as part of the TRiO program:

- Laptop loan program
- Calculator/camera loans
- Free tickets to selected campus cultural events
- Computerized personality type and career assessments
- Financial literacy support
- Financial aid information and workshops
- Graduate school advising
- Supplemental grant aid

Services for Students with Disabilities

Johnson State College is committed to providing students with disabilities an equal opportunity to participate in all aspects of the educational environment. The Learning Specialist works with students with disabilities to maximize their educational potential, encouraging them to maintain independence while receiving assistance. Students with documented disabilities may be eligible for a variety of accommodations and services including:

- Testing accommodations
- Note-taking assistance
- Sign Language interpreters
- Books on tape/CD

- Assistive technology

Current and comprehensive documentation of a disability is necessary to be eligible for many of these services. Guidelines are available on the JSC website.

Tutoring

Located in the Academic Support Services offices, the Learning Resource Center provides a friendly and supportive environment for students seeking to improve their academic performance. Our professional staff and peer tutors can help foster academic success by encouraging students to become more independent learners. The Learning Resource Center provides the following services to all students:

- Individual tutoring in most 1000- and 2000-level courses
- Individual professional help in writing and math
- Individual online help in writing through the Writer's Online Workshop
- Group tutoring (supplemental instruction) in selected subjects
- Training programs for peer tutors
- Resource library

Non-Traditional Students

Academic Support Services is home to non-traditional students at JSC, where they receive assistance, support, and mentoring to help them overcome their unique challenges. Information for non-traditional students is available on the following topics:

- College credit for life experience
- Childcare
- Financial aid
- Tutoring
- External Degree Program
- Graduate education

Academic Skills Assistance

The Academic Skills Advisor provides support to students making the sometimes treacherous transition from high school to college, who may also need help in developing the following essential college "survival" skills:

- Study/research skills
- Note-taking
- Test-taking
- Active reading
- Time management
- Stress management

Advising

The Academic Support Services staff provide friendly, caring, intensive academic advising to many JSC students. We strive to assist students in the identification of academic and life goals and the development of a meaningful educational plan to achieve those goals. Through active engagement in a collaborative process, students are encouraged to become self-directed and responsible life-long learners and decision-makers. We offer the following advising services:

- Academic advising to all Transition students (see below) with less than 45 credits;
- Academic advising to on-campus External Degree Program students;
- Information on degree requirements, academic regulations, and administrative policies to all who ask.

Transition Program

Academic Support Services offers a special Transition Program for students who show potential for academic success but may be under-prepared academically and/or socially. The program includes the following components:

- A pre-orientation activity which includes team-building activities with the Academic Support Services staff;
- Regular advising meetings to monitor progress;
- Early feedback from instructors on students' progress;
- Ready access to tutoring and other support services;
- Career and academic major exploration and development.

The Transition Program provides each student with individualized support that can make the difference between success and failure in the crucial first year of college.

Upward Bound

Upward Bound helps young people from economically disadvantaged backgrounds to develop the academic abilities and motivation needed for success beyond high school. This program is designed to serve 90 students from ten high schools within a 50-mile radius of the campus. The heart of Upward Bound is a six-week residential summer program that builds academic skills and self-confidence. Faculty and staff for the summer program are selected from Johnson State College and participating high schools. The Upward Bound program provides internship and job opportunities for Johnson State students interested in the fields of human services, education and recreation.

Residence Life

The Residence Life program facilitates student growth and development through high quality services, with a variety of options in living environments, programs and activities. Community development plays an integral role in Johnson State College's residence halls. A healthy residence hall community provides a sense of belonging. At Johnson State, student growth is fostered in an environment that encourages freedom of choice and responsible behavior.

All Johnson State residence halls and residence hall rooms are smoke-free. Each room offers internet access, voice mail, and cable T.V.

Housing Policies and the On-Campus Residence Requirement

Johnson State requires full-time, first-year and second-year students to reside (to the extent that space is available) in on-campus housing and take their meals in College dining facilities. It is the College's philosophy that the residential life experience provides opportunities for educational, cultural and social enrichment that are necessary components of an individual's growth.

Residence Halls

Governors and Senators Hall accommodate approximately 200 students each, housing men and women on alternate floors. Most rooms are designed as doubles, although some single and triple rooms are available. A lounge and common bathroom facilities are located on each floor. A laundry room and recreation room are also located in each of these buildings.

Arthur Hall is a co-educational, wellness-themed residence hall/housing 112 students in a suite-style living environment. There are bathroom facilities and a common living space in each suite. A laundry room and a recreation room are also in this building. All students living in Arthur Hall sign a wellness agreement. This agreement supports students who wish to focus on health and wellness living while residing in this residential community.

Martinetti Hall offers co-ed housing for upper class and non-traditional college students in double and single rooms on the second and third floors. On each floor there is one common bathroom. Residence floors have large furnished lounges and an outstanding view of the Green Mountains. The second floor has a kitchen area equipped with an oven/range unit,

refrigerator, and dining space for community dinners.

Room Deposits

All students obligated to live on campus, or those students who have met the housing policy requirements and choose to continue living in the residence halls, are required to pay a non-refundable \$100 room deposit. For new students, this deposit is part of the required Admissions Deposit. For returning students, this deposit must be paid prior to participating in Room Selection for the upcoming academic year (month of April). Students may not be assigned their room of choice in the residence halls until the room deposit is received in the Business Office.

Financial aid, scholarships, or anticipated aid cannot be accepted in lieu of the \$100 deposit.

For housing contracts that are cancelled prior to May 30, the student will receive their room deposit. Housing contracts cancelled after May 30 will result in a forfeit of the \$100 room deposit.

Students who are not required to live on campus include the following:

- Students turning 21 years of age on or before the beginning of the spring semester;
- Students who are married or are single parents with custody of children;
- Students claiming same-sex domestic partnership;
- Students commuting to and from JSC from the permanent residence of a parent or legal guardian, that is within a 30 mile radius of the college. A Parental Statement form is required;
- Students completing internships, student teaching, or assistantships out of the Johnson area;
- Returning students who have met the on-campus housing policy requirement (students who have signed a housing contract prior to leaving for the summer may break that contract before May 30 with no penalty);

- Students taking 8 or fewer VSC credits per semester.

Students living in the residence halls are required to be registered for 9 or more credits. Should a residential student drop below 9 credits during the current semester, he or she may not receive permission to continue living in the residence halls. Students must request, in writing to the Assistant Dean of Students, to remain in residence. Decisions will be made on a case by case basis.

Housing Contracts are valid for the entire academic year. Fall-term students are not offered a semester-long housing contract. Students should refer to the JSC Student Handbook or the housing contract for housing exemption criteria and procedures.

Requests for a housing exemption, together with appropriate documentation, must be made in writing, using the Request for Exemption form, to the Housing Review Committee, by April 1 for returning students and by July 1 for new and transfer students. For students entering in the spring semester, the deadline is December 1.

College Meal Plan Contract

All students living on campus are required to participate in the College Meal Plan. ARAMARK Food Service Corporation provides quality food service to the Johnson State College campus. Students are invited to take advantage of the numerous dining options that accommodate a variety of appetites and schedules. Vegetarian and vegan options, as well as hot line items, soups, salads, and deli bar are available on a daily basis.

Meal plan exemptions will be considered for only medical reasons. Requests to be released from the meal plan policy must be made in writing to the Housing Review Committee. Meal plan exemption forms must be used. Students should refer to the JSC Student Handbook for meal exemption criteria. See Tuition and Fees section for meal plan fees.

College Apartments

The College Apartments, located at the north end of campus, provide one-, two-, and three-bedroom accommodations for qualified upper-class students. Applications outlining eligibility criteria for the College Apartments are available in the Business Office.

Counseling Center

The Counseling Center is a campus resource designed to facilitate the emotional and intellectual development of students. The Counseling Center offers JSC students a safe and confidential place for self-exploration and personal growth experiences. Counseling Center staff listen, provide support, and help students make the most of their educational experience while helping students form a personal connection to the learning community. Individual, couples and group counseling are available. Services also include referrals to community resources, presentations/workshops, campus-wide mental-health screenings, and mental health crisis assistance.

Health Center

The Health Center is affiliated with Community Health Services of Lamoille Valley and staffed by a licensed nurse practitioner who works in collaboration with an off-site physician and operates on a fee-for-service basis. Students using the Health Center are expected to submit their health insurance information at the time of their visit. Most health insurances are accepted. However, those with managed care plans are advised to obtain prior authorization from their primary care provider before using the Health Center. Students are required to submit a comprehensive health form and immunization record and provide proof of health insurance coverage to the Business Office as conditions for enrollment at the college. A low-cost insurance plan is available to students who do not have pre-existing coverage. Please contact the

Business Office for enrollment information. *(Note: Completed health forms and immunization records should be submitted as early as possible. Students may not receive their room assignment until these forms are received and the student is in compliance with immunization requirements.)*

Clubs, Organizations, and Athletics

Student Association and Student Activities

The JSC Student Government Association (SGA) fosters student involvement in a wide range of social, cultural, intellectual and recreational activities on campus. Each undergraduate who pays the activity fee (living on or off campus) is a member of the JSC Student Government Association. The Executive Cabinet and the Student Senate are the primary legislative bodies in the student government. The SGA budget is derived from the annual student activities fee. The budget provides funding for an extensive schedule of dances, concerts, coffee houses, films, lectures, and special events.

Clubs and Organizations

Over 30 clubs and student organizations provide opportunities for students to gain valuable leadership experience while sponsoring numerous events for the entire campus community. Club sports are organized by students and compete at a level that is determined by the club members and a Club Sports Oversight Committee.

If there is not already a club that matches your interests, the Student Government Association can help you start one.

Serve

Since 1987, the Serve Office, located in the Stearns Student Center, has been an integral part of engaging students in the JSC community and beyond. Serve offers

numerous opportunities for organized service experiences led by student leaders in the local area and around the country. The following are some of the events and programs offered:

Serve Fri: The local service program offers projects in order to respond to the needs of the community. These projects allow students to become more familiar with the region and provide the opportunity for service learning with tangible outcomes in a limited time frame.

Break Away: Our alternative break program is designed to promote service on the regional, national, and international levels during scheduled school breaks. These trips are designed to have students leading other students in heightening social awareness and creating life-long active citizens; where community becomes a priority in values and life choices.

Mentoring: Student volunteers are matched with local school children or youth. The goal is to form one-on-one relationships to give each child or young adult a friend and role model, as well as someone who can share recreational, cultural, and educational experiences.

America Reads: This is a national program designed to help children develop a love of reading. Reading partners receive literacy training and then work with individual children or small groups (K-4) to provide opportunities for one-on-one practice and activities which inspire young kids to read well by sharing the joy and power of reading.

AmeriCorps Student Leadership Corps (Education Award Only): JSC offers an AmeriCorps Education Award program. AmeriCorps members work with students, faculty, administration, and local communities to build volunteer and service learning programs on the campus. At the end of their service, members receive an education stipend according to numbers of hours served.

If eligible, student leaders and America Reads volunteers can receive federal work-study.

Student Media

WJSC-FM, the College's non-profit radio station, is operated by and serves the students of Johnson State College. The studio is equipped to do both recorded and live broadcasting and is staffed by volunteers from the campus community. Programs include recorded music, news and special features on campus life and activities.

Basement Medicine, the student newspaper, is written for, about and by students under the guidance of a faculty advisor.

The Gihon River Review, a literary magazine, is managed, edited, and produced by students. These publications are funded through the student activities fee.

Athletics and Intramurals/Recreation

The Johnson State College Athletic Department mission is to provide comprehensive and competitive varsity programs for skilled student athletes. As an integral part of the Division of Student Life, intercollegiate athletics will be conducted to further the larger college mission. The intercollegiate athletic program will actively support the College's pursuit of academic excellence and strive to provide public service to the citizens of Vermont, the nation, and the world. The intercollegiate athletic program will be administered in a way that contributes to the personal development of all student athletes.

Johnson State College offers varsity intercollegiate athletic programs in men's and women's soccer, cross country running, basketball, tennis, as well as men's lacrosse, men's golf, women's volleyball, and women's softball. Athletics competes under the NCAA Division III membership and is a full member of the North Atlantic Conference. Students interested in

competing on the intercollegiate teams must meet the NCAA eligibility standards:

1. According to the NCAA 14.7.1, 14.1.8.1, 14.1.8.1.2, and 14.1.8.2 in order to be eligible to compete or practice with a varsity team, all student athletes must "be enrolled in at least a minimum full-time program of study, be in good academic standing, and maintain satisfactory progress toward a baccalaureate or equivalent degree.
2. Full-Time Program of Study is defined as maintaining 12 credits per semester. (If a student drops or withdraws from a course mid-semester and this action places her/him below 12 credits, the student is immediately ineligible to practice or compete). All Add/Drop form must be signed by an athletic administrator in addition to the advisor in order to make it official.
3. Satisfactory Progress is defined as earning 12 credits per semester.
4. "Good Academic Standing" is defined by Johnson State College as: A student who has 30 or more earned or GPA credits, whichever is higher, and whose cumulative grade point average is 2.00 or above (1.75 for students with fewer than 30 earned or GPA credits, whichever is higher) is considered to be in good academic standing.
A student athlete who fails to meet all of the eligibility requirements is immediately ineligible to practice or compete. A student athlete will remain ineligible until the following semester, or the semester in which he/she is again declared in Good Academic Standing by this institution.
5. The only time that a student athlete is allowed to be registered for less than 12 credits is: If the student is in her/his last semester, and a degree audit has been completed by the Registrar's Office determining that the student needs less than 12 credits to graduate.

The Athletic Department prides itself on the manner in which it has developed the College's athletic experience. It has

identified three primary goals for student athletes: personal growth, academic achievement, and athletic success.

"Student Athletes as Role Models" is an integral part of the JSC Athletic Department philosophy. Athletics provides student athletes with an opportunity to realize their potential as individuals by developing skills in leadership, communication/motivation, and time management by serving as models in the community. Some of the recent programs have been Readers as Role Models, Kids Night Out, Gym Days, Shoot for Goals, and Small Fry Clinics in basketball, soccer, lacrosse, softball, and volleyball.

The recreation facilities and opportunities on campus are extensive. Our Student Health and Physical Education (SHAPE facility) complex includes two gymnasiums, a state of the art fitness center complete with free weights and circuit weight lifting machines, an aerobic fitness area with treadmills, stair climbers, Concept II rowing machines, elliptical trainers, and an adaptive motion trainer. All equipment is integrated with a headphone system to listen to flat screen TVs. The SHAPE facility also has a 26-foot climbing wall, a sound proof spinning studio, a group exercise and stretching room, two racquetball courts, and a six-lane 25-yard swimming pool.

Featured outdoors are the Minaert Fields, located directly adjacent to the SHAPE facility, which serves as home fields for our soccer, softball and lacrosse teams. There are four resurfaced tennis courts with views overlooking the intramural field located on the eastern side of campus. Also offered for outdoor enthusiasts is a 10K trail system for running, hiking, and cross country skiing, along with a 18-hole Disc Golf Course positioned across the college campus and a snowboard park.

The mission of the recreation and intramural programs is to provide recreational, intramural, and wellness opportunities for the Johnson State community through a wide variety of intramural activity offerings: spinning

classes, water aerobics, Zumba, dodgeball, co-ed basketball, indoor soccer, group hike outings, kayaking the Lamoille River, climbing wall competitions, disc golf tournaments, Fitness Challenge, and various other events. The recreation and intramural programs strive to provide on- and off- campus opportunities that foster physical, social, and emotional wellness. Offerings have been designed to provide equal opportunity for participation regardless of gender, age, race, interests, or motor skill level. For additional sports or activities organized under the Student Government Association (i.e. Rugby, Ultimate Frisbee, Snowboard/Ski Club, Dance Ensemble, etc.), see the Student Government Association section of this catalog for more information.

Code of Conduct

Each student is responsible for being aware of the policies, rules, and regulations which govern the campus and set standards for behavior. The Code of Conduct is published in the Student Handbook, which each student receives during orientation. The Student Handbook is available online on the JSC website. The Code of Conduct explains the process by which disciplinary action may be taken for student misconduct. Copies of the Code of Conduct may be obtained from the Dean of Students Office, which handles all disciplinary cases.

Students' Rights

Nondiscrimination

Qualified students are recruited for, admitted to and participate in all college programs without discrimination on the basis of race, color, sex, sexual orientation, religion, creed, national origin, age, veteran status, or disability. Johnson State College will provide reasonable accommodations to create equal opportunity for students with known disabilities. Please contact the JSC Learning Specialist in Academic Support Services (802-635-1264) if auxiliary aid or service is needed to apply for admission.

Additionally, Johnson State College is committed to creating and maintaining an environment for work and study in which all members of the College community are free from all forms of sexual harassment and unlawful discrimination. Johnson State College complies with state and federal laws related to equal opportunity and non-discrimination. Any questions or complaints about potential or perceived discrimination in violation of any state or federal law should be directed to the Assistant Academic Dean, Martinetti Hall (802-635-1243); or the Vermont State Colleges Office of the Chancellor in Waterbury; or the Vermont Office of the Attorney General; or the Equal Opportunity Employment Commission in Washington, D.C. Please contact the JSC Dean of Administration (802-635-1208), if auxiliary aid or service is needed to apply for admission of employment.

U.S. Department of Education Requirements

The United States Department of Education requires that annual statistics on campus crimes and students' continuation rates be made available to students and their families. Please contact the Admissions Office for this information. Campus crime statistics are located on the website under Public Safety.

Notification of Rights Under FERPA for Post-Secondary Institutions

A federal law, the Family Educational Rights and Privacy Act of 1974 ("FERPA"), affords students certain rights with respect to their educational records. The primary rights afforded to each student include, but are not limited to, the right to inspect and review their education records, the right to amend incorrect records, and the right to limit disclosure of information from the records.

In accordance with federal law and regulations issued by the Department of Education, the Vermont State Colleges

System ("VSC") has adopted policies and procedures for each of its Colleges. The Colleges within the VSC are: Castleton State College, Johnson State College, Lyndon State College, Vermont Technical College, and The Community College of Vermont. The purpose of this VSC policy is to provide guidance on the rights of inspection and the prohibitions against unauthorized dissemination of educational information.

The VSC's FERPA policy is available on the Blackboard Portal under VSC Public Info and Data / VSC Policy and Procedures / Student Affairs / Policy 312, and also at the Registrar's Office.

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, D.C., 20202-4605
E-mail: FERPA@ed.gov
(include telephone and fax numbers in e-mail)
Telephone: (202) 260-3887
Fax: (202) 260-9001

Campus Facilities

The Library and Learning Center (LLC)

The LLC houses the library, the Department of Humanities and the Department of Writing and Literature, an open-access computer lab, a media arts research studio featuring 25 Mac stations, a math and science computer lab, a language laboratory and a multimedia classroom, and the *Basement Medicine* (student newspaper) and *Gihon River Review* and *Green Mountains Review* (both student literary magazines) offices. The library holds 100,000 volumes in open stacks, including bound periodicals, pamphlets and other unbound materials, phonograph recordings and a large collection of microfilms. The library's collections of art books and children's literature are well known for their depth and range. The library is linked to the Online Computer

Library Center, a national bibliographic service that provides cataloging and interlibrary loan access to over 12 million bibliographic records for location and verification of books, serials and non-print materials. The LLC also houses the Ellsworth International Room, which includes artifacts and memorabilia collected by Professor Emeritus Robert A. Ellsworth over the length of his career as a diplomat and scholar. The room also includes a collection of Professor Ellsworth's books dealing with history and political science and materials felt to be of significance to the study of history or political science, donated by friends of the Ellsworth Trust.

Babcock Nature Preserve

The Babcock Nature Preserve, located ten miles from Johnson State College in Eden, Vermont, is a 1,000-acre tract of forest land owned and maintained by the College for scientific and educational purposes. A site of geological significance carved out of the northern Green Mountains by ancient glaciers, the preserve offers a diversity of settings for studies in the natural sciences. Three large ponds dominate the physical landscape, and birds and mammals abound. With forested watersheds of mixed conifers and northern hardwoods, opportunities for field studies in hydrology, limnology, and terrestrial and aquatic ecosystem analyses are unlimited. The summer field program at the preserve features a number of short, intensive courses designed to provide field experience in the natural sciences beyond those normally possible during the academic year.

Bentley Hall

This building houses the Department of Mathematics and the Department of Environmental and Health Sciences, a 200-seat lecture hall with movie projection facilities, an interactive television studio, and laboratories for biology, chemistry, physical sciences and geographic information systems.

Carter Gymnasium/ SHAPE Facility

Johnson State's SHAPE (Student Health and Physical Education) facility is home to the College's Athletic Department, Health and Physical Education Division, Intramurals and Athletic Training Department. The SHAPE facility was built in 1990 as an addition to the existing Carter Gymnasium and underwent an extensive renovation in 2008-2009. The complex includes two gymnasiums, a state-of-the-art fitness center complete with free weights and Nautilus machines, an aerobic fitness area with Life Cycles, stair climbers, Concept II rowing machines, elliptical trainers, a Gravitron, Landice treadmills, a 26-foot climbing wall, a sound-proof spinning studio, two racquetball courts, and a six-lane 25-yard swimming pool.

Featured outdoors are the Minaert Fields, located directly adjacent to the SHAPE facility, which serve as home fields for our soccer, softball and lacrosse teams. There are four resurfaced tennis courts with views overlooking the intramural field located on the eastern side of campus. Also offered for outdoor enthusiasts is a 10K trail system for running, hiking, and cross-country skiing, along with an 18-hole disc golf course positioned across the College campus and a snowboard park.

Dewey Hall

Dewey Hall houses the Office of the Dean of Students, the Advising and Career Center, Upward Bound, the Academic Support Services Offices, Public Safety, and the Women's Center. It also contains three classrooms, a small convenience store, the Bookstore, and a conference room.

Dibden Center for the Arts

Dibden Center for the Arts contains a 450-seat theater with a proscenium stage, a removable dance floor, and choral and orchestra risers. The center houses the music and theater faculty, studios, practice rooms, classrooms and a piano laboratory,

as well as the Julian Scott Memorial Art Gallery.

Martinetti Hall

This building, the main administration building, houses the offices of the President, Academic Dean, Dean of Administration and Registrar, the Admissions, Financial Aid, Alumni and Development, and Business Offices, Marketing and Printing Services, the Graduate Office, and the External Degree Program, along with the Department of Business/Economics and a Business/Hospitality/Tourism Management computer laboratory.

McClelland Hall

The oldest building on campus, McClelland houses the Department of Education, the Department of Behavioral Sciences, and the Behavioral Sciences computer lab, and the dance studio.

Arthur Hall

In addition to being a residence hall for students, this building houses the Print Shop and Conference and Event Services.

Senators Hall

In addition to being a residence hall for students, this building houses the Health Center, the Counseling Center, and the Information and Technology Services Department.

Stearns Student Center

Stearns Student Center houses the dining hall, Post Office, Student Government and Activities, the Serve Office, and the JSC radio station (WJSC-FM), as well as multipurpose event spaces, a movie viewing room, a TV viewing space, arcades and gaming space, a fireplace lounge, a student conference room, and a café.

Visual Arts Center

The VAC houses the college's visual arts programs, with drawing, painting,

printmaking, photography, sculpture, ceramics and woodworking studios, as well as a gallery for exhibiting works in progress and student projects, and faculty offices.

Residence Halls

Descriptions of the College's four residence halls are found in the Residence Life section of this catalog.

Administrative Support Services

Marketing and Printing Services

This office is responsible for supporting the production of internal and external publications, the College website and portal as well as other electronic communications, recruitment literature, press releases and advertising.

Conference and Events Services (CES)

CES provides planning assistance and coordinates facilities, equipment, and services for all JSC and community groups and individuals holding special events and activities on campus during the academic year and in the summer.

Development and Alumni Relations

This office, in coordination with the Alumni Council, plans and directs all of the activities relating to the Alumni Association, including class reunions and Fallfest, admissions recruiting, and fund raising. The office also publishes *Johnson Views*, which is distributed to alumni, parents, and friends of the College, and it supports the work of the Fund for Johnson State College, an advisory board to the President on philanthropy and community and corporate relations. A major part of each year's fund appeal is dedicated to scholarships for undergraduates.

Physical Plant Department

Physical Plant is responsible for providing maintenance, custodial, and janitorial services to all buildings and grounds of the campus. In addition, the department is responsible for establishing and maintaining all utilities, building systems, and grounds. The department is also responsible for initiating, planning, and executing all construction and campus renovations, with the exception of IT services.

Office of Public Safety

The Office of Public Safety is here for the safety of all students, faculty, and staff at Johnson State College. All Public Safety officers are trained and experienced in providing outstanding support to the Johnson State College community. We are fortunate to be living in a rural setting with less crime than other colleges; however, we are not crime free. It is the Public Safety Department's role to provide a safe environment for the entire community. In order to achieve this goal, it is vital that the community work together to prevent crime through education, cooperation, and by using safe practices and reporting anything that is suspicious or unusual.

A wide variety of safety and security training programs are available through the Residence Life staff and the Counseling Center. Information on current JSC policies relevant to criminal actions, campus law enforcement, training programs, policies, and campus crime statistics can be found on the Johnson State College website.

Directory

Full-Time Faculty

Anderson, Gerald. Professor
Ph.D., Social and Political Philosophy,
Northwestern University
Specializations: Social and political theory,
international economics and politics,
gender studies, environmental ethics and
politics, politics and philosophy of
creativity

Aubuchon, Christopher. Associate
Professor
Ph.D., Mathematics, University of
Kentucky
Specializations: Homological algebra and
module theory, number theory

Bacchus, Tania S. Professor
Ph.D., Oceanography, University of Maine
at Orono
Specializations: Oceanography (marine
geology), quaternary studies,
environmental sciences

Black, James. Professor
Ph.D., Systems Science, Portland State
University
Specializations: Leadership, management,
Java programming, general systems theory

Blair, Steve. Associate Professor
M.M., Music, University of Massachusetts
Specializations: Jazz performance and
recording

Bou-Nacklie, N.E. Associate Professor
Ph.D., Middle Eastern History, University
of Utah
Specializations: Middle East, Africa, Third
World

Brinegar, Kathleen. Assistant Professor
Ed.D., Educational Leadership and Policy
Studies, University of Vermont
Specializations: Middle Level Education,
Adolescent Literacy, Women's Studies

Brower, William C. Associate Professor
Ph.D., Anthropology, University of
Colorado

Specializations: Shamanism, visual
anthropology, and universal aspects of
healing and illness experiences

Burrill, Kenneth C. Professor
Ed.D. Physical Education-Motor Learning,
Boston University
Specializations: Lifetime wellness and
fitness, physical education, stress
management and biofeedback training

Calza, Susan. Professor
M.F.A., Sculpture, University of Illinois,
Champaign-Urbana
Specializations: Sculpture, performance art,
and video

Cezar, Henrique. Assistant Professor
M.B.A., International Business, San
Francisco State University
Specializations: Financial market analyst,
asset management, and international
business

Cline, Sharon Elise. Assistant Professor
Ph.D., Modern French and European
History, University of Wisconsin - Madison
Specializations: History of modern France,
modern European intellectual and cultural
history, European women's and gender
history

Clute, Sean. Assistant Professor
M.F.A., Electronic Music and Recording
Media, Mills College

Comen, Todd. Professor.
M.P.S., Hotel Administration, Cornell
University.
Specializations: Impact of the hospitality
industry on the community-at-large,
organizations that operate as if people
mattered, and hospitality organizations
that create a whole experience for the
customer

Dolci, Elizabeth D. Professor
Ph.D., Environmental Health Sciences,
University of Michigan
Post Doctoral: Cell Biology, Yale University
Specializations: Cell signaling in
paramecium, science education

Doyle, William. Professor

Ed.D., Education, Columbia University

Farara, Joseph M. Professor
M.S., Information Science, Simmons
College
Specializations: Library, American popular
music

Fink, David. Professor
Ed.D., Counselor Education, University of
Maine, Orono
Specializations: Counseling theories,
helping skills, psychology of the Civil War,
and internship supervisor

Fisher, Reed. Professor
M.P.S., Hotel Administration, Cornell
University
Specializations: Strategic alliances, service
excellence, hospitality information systems
and research methodology

Genter, Robert B. Professor
Ph.D., Biology, Virginia Polytechnic & State
University
Specializations: Ecological toxicology,
limnology, phycology

Green, Susan E. Professor
Ph.D., Sociology, University of Montana
Specializations: Gender roles,
sociolinguistics, sexuality and intimacy,
qualitative methods, medical sociology-
health and wellness

Haverkamp, Hans Christian. Assistant
Professor
Ph.D., Kinesiology with an emphasis in
Exercise Physiology, University of
Wisconsin - Madison

Himmelstein, Jerry. Assistant Professor
Ph.D., Sociology, Louisiana State University
Specializations: Civil rights, minority
groups, mass media, criminology, and
sociology of schooling

Hutchinson, David R. Professor
Ph.D., Counselor Education, State
University of New York at Buffalo
Specializations: Development of individual
and group interpersonal skills, addiction
treatment, and dying and grief counseling

Kanat, Leslie H. Professor
Ph.D., Earth Sciences, University of
Cambridge, England

Specializations: Structural geology and
metamorphic petrology

LaRoque, Perry. Associate Professor
Ph.D., Special Education, University of
Wisconsin-Madison
Specializations: Behavioral and Emotional
Disabilities

Leslie, Kenneth. Professor
M.F.A., Painting and Printmaking,
University of Pennsylvania
Specializations: Painting, drawing, and
artist's books

Longtin, Russell. Professor
Ph.D., Acting/Directing, University of
Michigan
Specializations: Acting/Directing

Martin, Mary. Assistant Professor
M.A., Art History and Criticism, Webster
University
Specializations: 20th century art, African
art, legal issues in art

McElvany, Norman D. Professor
M.B.A., University of Nebraska, Lincoln
Specializations: Marketing, small business
development and entrepreneurship

McGough, David. Associate Professor
Ph. D., Educational Policy and
Administration: Social and Philosophical
Foundations of Education, University of
Minnesota
Specializations: Secondary education,
foundations of education, leadership
studies

Miller, John. Professor
M.F.A., Visual Studies Workshop, SUNY at
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Specializations: Photography, documentary
studies, oral history, writing, exhibition
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Ph.D., Developmental Psychology,
University of Vermont
Specializations: Childhood bereavement,
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Moskowitz, Brad. Associate Professor
M.A., Leadership and Experiential
Education, Prescott College

Specialization: Outdoor education, adventure education and wilderness leadership

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Ph.D., Purdue University
Specializations: Chemistry, physics

Perham, Andrea. Professor
Ph.D., English Literature, McGill University
Specializations: Modern American poetry, writing across the curriculum, writing assessment

Plissey, Bethany. Assistant Professor
M.A., Music, Indiana University

Powell, Elizabeth. Assistant Professor
M.F.A., Fiction Writing, Vermont College
Specializations: Poetry, fiction, non-fiction

Ritscher, Regina L. Assistant Professor
Ed.D., Learning and Teaching, Harvard Graduate School of Education.
Specialization: The role hands-on activities play in thinking, knowing and meaning-making

Sapadin, Eugene. Professor
Ph.D., Philosophy, Claremont Graduate School
Specializations: History of ideas, ethics, history of philosophy

Shaw, Tyrone. Assistant Professor
M.F.A., Writing, Union Institute & University

Silver, Paul L. Professor
Ph.D., History, University of Pennsylvania
Specializations: Progressive movement and New Deal; women in American history; Chinese and Japanese history

Sproul, Glenn D. Professor
M.A., Mathematics, University of Wisconsin
Specialization: Modeling with STELLA

Theoret, Julie. Associate Professor
Ph.D., Nonassociative Algebra, University of Virginia
Specialization: K-12 math education

Towner, Daniel. Professor
Ph.D., American Literature, Ohio University
Specializations: American literature, writing, film

Twigg, Sharon. Assistant Professor
Ph.D., Nineteenth Century British Literature and Culture, University of Wisconsin - Madison

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Ed.D., Physical Education Curriculum and Instruction, with special emphasis in Outdoor Adventure Education, University of North Carolina at Greensboro
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Ph.D., Counseling Psychology, State University of New York at Buffalo
Specialization: Personality theory integration, abnormal behavior, political psychology, social psychology, Jungian personality typology, interdisciplinary studies

White, Jacob. Visiting Assistant Professor
Ph.D., Literature and Creative Writing, University of Houston

Wiseman, Frederick. Professor, Ph.D., Geosciences, University of Arizona

Witte-Townsend, Darlene. Professor,
Ph.D., Elementary Education, University of Alberta
Specializations: Literacy, child development and qualitative research methodologies

Wolff, Maris. Professor
Special Training: Composition and Improvisation
Specializations: Modern dance, ballet, historical dance, Renaissance dance and history, Baroque dance, 19th Century dance, jazz dance, choreography dance history

Part-Time Faculty*

Baird, Sandra. M.A., University of Wisconsin

Baker, William. M.A., Johnson State College

Bandar, Leila. M.F.A., Boston University

Blueter, DeAnne. M.A., Johnson State College

Brighton, Kenneth, Ph.D., Indiana State University

Capps, Joe, B.M., Berklee College of Music

Cashman, Edward, J.D., American University

Chase, Victoria, Ph.D., Columbia University

Cravedi, Stefanie, M.A., Middlebury College

Delongis-Shively, Danielle, M.S.W., Smith College, School for Social Work

Dubuque, Martha, M.A., Johnson State College

Foster-Weston, Colette, B.S., Johnson State College

Francoeur, Noble, M.A., North Adams State College

Haigh, Jean, M.A., Castleton State College

Kramer, Marjorie, B.F.A., Cooper Union School of Art and Architecture

Leader, Andrew, M.A., University of Vermont

May, Amy, M.F.A., Indiana University

McCarthy, Sally, M.A., Johnson State College

Metcalf, Michael, M.A., University of Arkansas at Fayetteville

Molloy, Barbara, M.F.A., Hunter College

Myers, Rhonda, M.S., University of Michigan

Pollard, Annegret, Ph.D., University of Michigan

Puleio, Mark, B.A., Prescott College

Rosovsky, Judy, B.S., University of Massachusetts at Boston

Salerno, S. Joseph, M.F.A., Indiana University

Spivak, Dawnine, M.Ed., University of Massachusetts at Amherst

Verderber, Gustav W., M.A., Ohio State University

West, Cynthia, M.A., Middlebury College

Winkler, Robert, M.S., State University of New York at Plattsburgh

Zolnoski, Victoria, B.F.A., Johnson State College

*(*Partial list, subject to change without notice.)*

Emeritus Faculty

Philip Chiaravalle, Emeritus Professor of Biology, Ph.D., University of Rhode Island

Kathleen "Kit" Cooke, Emeritus Professor of History, M.Litt., Oxford University

John Duffy, Emeritus Professor of Humanities, Ph.D., Syracuse University

Robert A. Ellsworth, Emeritus Professor of Latin American History, M.A., Columbia University (Deceased)

Selma Guttman, Emeritus Professor of English, Ph.D., Columbia University

Robert Hutchinson, Emeritus Professor of Education, Ph.D., University of Connecticut (Deceased)

Walter A. Minaert, Emeritus Professor of Physical Education, Ed.D., Boston University (Deceased)

Margaret Ottum, Emeritus Professor of Environmental and Health Sciences, Ph.D., Oregon State University (Deceased)

Kenneth Raymond, Librarian, Emeritus Professor of History, M.A., University of Vermont (Deceased)

Edward Stefaniak, Emeritus Professor of Science, Ed.D., Boston University School of Education (Deceased)

Albert Swinchoski, Emeritus Professor of Music, Ph.D., University of Kansas (Deceased)

Alice Whiting, Emeritus Professor of Education, M.Ed., Boston University

Barbara Murphy, President of the College

M.F.A., Warren Wilson College

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Ph.D., Yale University

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Ed.D., University of Vermont

Sharron Scott, Dean of Administration,
Chief Technology Officer
M.S., University of Vermont

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B.A., Simmons College

David Cavanagh, Associate Dean for
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M.A., University of Waterloo

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M.A., Johnson State College

Douglas Eastman, Registrar
B.S., Springfield College

Michele Whitmore, Assistant Dean of
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Tom Adams, Custodian II, Physical Plant

Renee Affolter, Coordinator of
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Campus

Amy Beattie, Coordinator of Online
Learning and Services

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Life

Paul Bloomhardt, Inst. Technology
Specialist

Tony Blueter, Director, Upward Bound

Andrea Bourdeau, Staff Assistant,
Admissions

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Renee Breault, Head Athletic Trainer,
SHAPE Facility

Raymond Brior, Technical Services
Librarian

Wendy Brothers, SHAPE Facility
Coordinator and Director of Intramurals

Bonnie Burns, Custodian II, Physical
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Renate Callahan, Administrative
Assistant, Business/Economics Department.

Jeanie Cass, Nurse Practitioner, Health
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David Coolbeth, Maintenance
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Advisor, Academic Support Services

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Linda Davis, Accounting Specialist III,
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Lynda Despault, Custodian II, Physical
Plant

Woody Dionne, Director, Physical Plant

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Support Services

Sandy Duffy, Staff Accountant II,
Business Office

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Valerie Edwards, Co-Director, External
Degree Program

Joseph Farara, Faculty Librarian

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Thomas Fordman, Senior Desktop
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Safety Office

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Bethany Harrington, Admissions
Specialist, Admissions

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Cynthia Hennard, Director, Counseling
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Learning

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Jarrold Irwin, Maintenance Technician
III, Physical Plant

Edson Jones, Master Maintenance Tech.
III, Physical Plant

Patrick Keith, Physician, Health Services

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Keith Kirchner, Chemical Hygiene
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Alice Kirk, Interlibrary Loan Supervisor,
Library

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Jeffrey Lamore, Mechanical Systems
Technician II, Physical Plant

Jessica Lane, Records Specialist,
Registrar's Office

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Plant

Nita Lanphear, Staff Assistant, Physical
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Technician, Physical Plant

Sally Laughlin, Director, Development
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Mechanic II, Physical Plant

Julie Machia, Custodian II, Physical Plant

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Support Services

Joyce Maher, Custodian II, Physical Plant

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Environmental and Health Sciences and
Mathematics Departments

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Plant

Martin McMahon, Mechanical Systems Technician II, Physical Plant

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Ken Moore, Mechanical System Tech II, Physical Plant

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James Mount, Security Officer, Public Safety Office

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Michael Osborne, Assistant Athletic Director, SHAPE Facility

Ron Osbourne, Manager, Bookstore

Rhonda Osgood, Staff Assistant, External Degree Program

Michael Palagonia, Director, Public Safety

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Rebecca Pastor, Associate Director of Admissions

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Jean Reynolds, Staff Assistant, Academic Dean's Office

Sally Reynolds, Staff Assistant, SHAPE Facility

Dennis Richards, Custodian III, Physical Plant

Patrick Rogers, Associate Director of Admissions

Susan Rothschild, Assistant to the Dean of Administration

Deneen Russell, Accounts Receivable Supervisor, Business Office

Timothy Russo, Senior Financial Aid Officer

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Sally Searles, Assistant Chief Technology Officer, Computing Services

Richard Shanley, Licensure Officer

Joanne Show, Custodian II, Physical Plant

Earl Smith, Security Officer, Public Safety Office

Evan Smith, Associate Director of Alumni & Development

Dorothy Spoerl, Information Technology Administrator, Computing Services

Dannielle Spring, Director of Conference & Events Services

Clyde Stats, Assistant Director and EDP Advisor, Academic Support Services

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Toby Stewart, Controller, Business Office

Chelsea St. Louis, Administrative Assistant, Financial Aid

Krista Swahn, Coordinator of Student Activities and Alternative Break Program

Sherlock Terry, Coordinator of First-Year Events

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Margaret Warden, Director of First-Year Experience

Melissa Weinstein, Web Editor, Marketing & Printing Services

Valerie Welter, Prevention Specialist, Counseling Center

David Whitney, Maintenance Lead, Physical Plant

Deborah Whitney,
Custodial/Housekeeping Supervisor,
Physical Plant

Catherine Wilson, Academic Advisor,
Advising and Career Center

Heidi Wrighton, Coordinator of Career
Services, Advising and Career Center

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Timothy J. Donovan

Accreditation

Johnson State College is accredited by the
New England Association of Schools and
Colleges, Inc., through its Commission on
Institutions of Higher Education and the
Vermont State Department of Education.

Inquiries regarding the accreditation status
by the New England Association should be
directed to the administrative staff of the
institution. Individuals may also contact:

Commission on Institutions of Higher
Education

New England Association of Schools
and Colleges

209 Burlington Road

Bedford, MA 01730-1433

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cihe@neasc.org

Academic Calendar

Fall 2010

Aug. 1	Deadline to apply for December 2010 graduation
Aug. 23	Classes begin
Sept. 3	Deadline for independent study and internship contracts to be submitted to the Academic Dean's Office; Final day to add/drop courses
Sept. 6	Labor Day – classes held
Sept. 8	Mandatory student teacher application meeting for Spring 2011 student teachers
Oct. 1	Fall recess begins after last class
Oct. 2	Residence halls close at 10 a.m.
Oct. 10	Residence halls open at noon
Oct. 11	Classes resume
Oct. 14	Deadline for meeting all student teaching requirements, prerequisites, and submitting completed applications for spring 2011 student teaching
Oct. 15	Deadline to complete spring 2010 Incomplete grades
Oct. 18	Second-half semester courses begin
Oct. 29	Last day for course withdrawals, and last day to add and drop second-half semester courses
Nov. 8	Registration for spring 2011 begins
Nov. 19	Thanksgiving break begins after last class
Nov. 20	Residence halls close at 10 a.m.
Nov. 28	Residence halls open at noon
Nov. 29	Classes resume
Dec. 10	Last day of classes
Dec. 13-17	Final exams
Dec. 17	Last day of semester
Dec. 18	Residence halls close at 10 a.m.

Spring 2011

Jan. 17	Classes begin
Jan. 28	Deadline for independent study and internship contracts to be submitted to the Academic Dean's Office. Final day to add and drop courses
Feb. 1	Deadline to apply for May 2011 graduation
Early Feb., Date TBA	Mandatory student teaching application meeting for fall 2011 student teaching
Feb. 18	Winter recess begins after last class
Feb. 19	Residence halls close at 10 a.m.
Feb. 27	Residence halls open at noon
Feb. 28	Classes resume
March 11	Deadline to complete fall 2010 Incomplete grades
March 14	Second-half semester courses begin
March 15	Deadline for meeting all student teaching requirements, prerequisites, and submitting completed applications for fall 2011 student teaching
March 25	Last day for course withdrawals and last day to add and drop second-half semester courses
March 28	Registration for summer and fall 2011 begins
April 1	Spring break begins after last class
April 2	Residence halls close at 10 a.m.
April 10	Residence halls open at noon
April 11	Classes resume
May 6	Last day of classes
May 9-13	Final exams
May 13	Last day of semester
May 14	Commencement

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