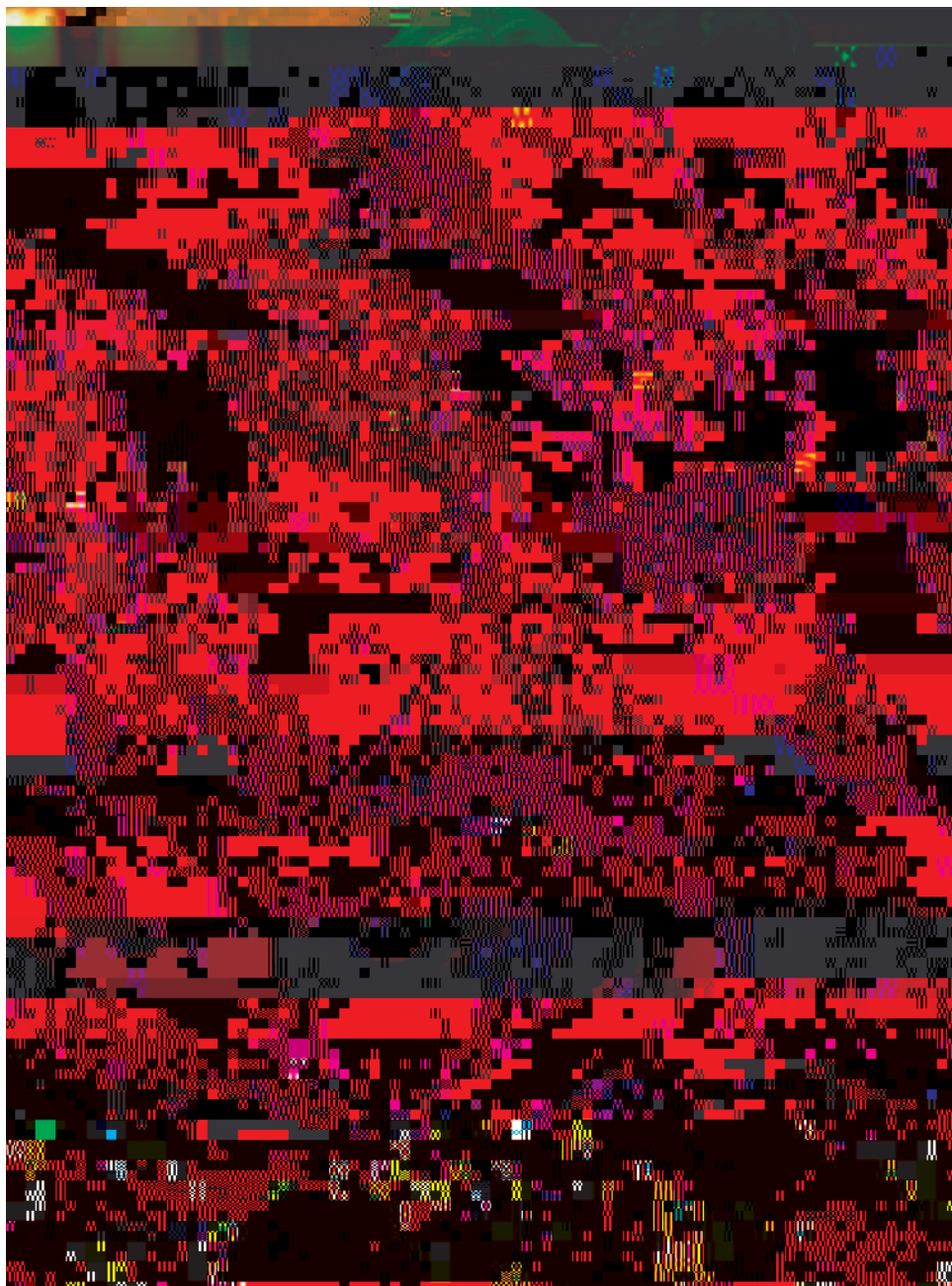


Undergraduate Catalog 2010-11



ISSI

Shenandoah University educates and inspires individuals to be critical, reflective thinkers; lifelong learners; and ethical, compassionate citizens who are committed to making responsible contributions within a community, a na

TABLE OF CONTENTS

i e er

Dual Enrollment.....	40
Time Limit.....	41
Second Degree Policy.....	41
Program Continuity.....	41
Classification of Students.....	41
Change in Curriculum.....	42
Non-transferable Hours.....	42
Academic Terms.....	42
Non-discrimination.....	42
Student	

e e J r ude e rds.....	68
— e e r s le es.....	70
Statement of Purpose.....	70
Degree Requirements.....	70
Attendance.....	71
Academic Programs.....	71
Honors Program.....	71
Pre-Health Professions Programs.....	72
Pre-Law Study.....	72
Degree Programs in the College of Arts & Sciences.....	72
American Studies.....	74
Biology.....	75
<i>Biology (Minor)</i>	75
Chemistry.....	83
<i>Chemistry (Minor)</i>	83
Criminal Justice.....	86
<i>Criminal Justice (Minor)</i>	86
English.....	89
<i>English (Minor)</i>	89
English as a Second Language (Certificate only).....	92
Environmental Studies.....	93
<i>Environmental Studies (Minor)</i>	96
French (Minor).....	97
History.....	98
<i>History Major Core</i>	98
<i>History Major - Secondary Teacher Licensure in History and Social Science Emphasis</i>	98
<i>History (Minor)</i>	99
Public History Certificate Program.....	104
Kinesiology.....	105
<i>Health and Physical Education</i>	109
<i>Kinesiology (Minor)</i>	111
<i>Coaching (Minor)</i>	111
<i>Coaching Certificate</i>	111

<i>Elementary/Middle School Teacher Education Professional Studies Certificate</i>	145	
<i>Secondary Teacher Education Professional Studies Certificate</i>	146	
Women's Studies (Minor).....	147	
u n i v e r s i t y	148	
Statement of Purpose.....	148	
Attendance Policy.....	148	\$.:.\$j\$jkU#
Certificates.....	148	
u n i v e r s i t y	150	.am
Mission.....	150	
Vision.....	150	
Guiding Principles.....	150	
Undergraduate Degree Program Learning Goals.....	15... 15...	

Bachelor of Music in Collaborative Piano	221
Bachelor of Music Therapy	224
Bachelor of Science in Arts Management	228
Bachelor of Science in Music with Elective Studies in Another Discipline	236
Certificate in Church Music	238
Certificate in Ethnomusicology	239
Minors in Conservatory Disciplines	240
<i>Music Minor</i>	240
<i>Jazz Minor</i>	240
<i>Arts Management Minor</i>	241
<i>Dance Minor</i>	241
<i>Theatre Minor</i>	241
 e r e s s i s	242
Statement of Purpose	242
Philosophy of the School of Health Professions	242
Entrance Requirements	242
<i>Criminal Background Checks</i>	242
Division of Nursing	243
<i>Traditional Four-Year Track</i>	248
<i>Transfer Five-Semester Track</i>	249
<i>Accelerated Second Degree Track</i>	250
<i>Licensed Practical</i>	250

Virginia Board of Nursing

Virginia Department of Education

and other appropriate associations and agencies

**ACNM – 8403 Colesville Road, Suite 1550, Silver Spring, MD 20910-6374; (240) 485-1800; www.acnm.org*

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In compliance with federal law, Shenandoah University makes annual disclosure of the following:

1. Campus Security Report. This report is available on the Shenandoah University Web site and the Department of Public Safety Web site, in the annual Student Handbook, and in the Human Resources and Ad

ADMISSIONS

Students are selected by the Office of Admissions on the basis of their ability, interests and academic preparation as indicated by their applications, school records and test results. Since applicants are considered on their own merit, Shenandoah University invites them to supply all evidence to indicate their competence and eagerness to deal with a demanding and exciting Shenandoah program of study.

Admission to Shenandoah University is competitive. The number of new students admitted each year is limited.

Applicants for admission to Shenandoah University are evaluated in three major areas (four for Conservatory applicants):

1. Previous high school or college records or both
2. Results of the SAT or ACT examination
3. Letter of recommendation
4. For Conservatory applicants only, the result of the audition

Most applicants seek admission during the first semester of their senior year in high school to enter Shenandoah University the following fall. A student who intends to enter directly after high school graduation must request the necessary forms from the Office of Admissions. Procedures for admission are:

1. Application for admission must be made on the Undergraduate Application for Admission. The application must be signed by the applicant (and a parent or guardian if the applicant is under 18 years of age) and returned to the Office of Admissions as soon as possible. A non-refundable application fee of \$30 must be submitted by a check or money order payable to Shenandoah University. The application fee is not credited to tuition and fees.

2. Applicants must ask their high school guidance counselor or principal for a copy of the application form.

Applicants will have an opportunity to express a preference, but it is not guaranteed that they will study in the studio of the auditioning s

transfer applicant to have official transcripts of all academic work and evidence of honorable dismissal

For transfer students in a music curriculum, proficiency in a

5. Engli

Specific guidelines for completing ESL requirements may be obtained from the ESL Department.

6. To be eligible to receive a SEVIS I-20 form from Shenandoah, applicants must send financial

Visiting Students

Qualified seniors in area high schools who will not be taking a full academic load in their high school senior year can apply to Shenandoah for admission as visiting students. Under this program, students are permitted, with the approval of high school officials, to undertake course work at Shenandoah University concurrently with course work undertaken at their high school.

Under certain conditions, credit earned at Shenandoah University may be applicable to graduation requirements from Virginia high schools. Credit and grades earned become part of the student's perm

student, a student can

Deferred Enrollment

Upon written request, and payment of the advance tuition deposit, an admitted student may defer enrollment for up to one year. Deferred enrollment is subject to the admission requirements in force at the time the initial decision was made and is predicated upon the fact that the student will

is completed the student must submit the final, official transcript. Any provisionally accepted student who fails to submit the official documentation or to complete the stipulated provisions will not be permitted to register for courses.

Admission Decision

Applicants are usually notified by letter approximately three weeks after their admission file is complete. Admissions decisions may be deferred if an applicant is slightly below the standards for regular admission. The director of undergraduate admissions may require additional information and/or an admissions interview before a decision is rendered. Applicants who wish to appeal an admission decision must submit a letter of appeal to the dean of admissions.

Admitted students must submit an advance tuition deposit of \$300. Dates by which the deposit must be paid are stipulated in the letter of acceptance, and vary depending on the time of year the offer of acceptance is granted. Advance tuition deposits are refundable until May 1. Refund requests must be made in writing to the director of undergraduate admissions.

The applicant's notification of admission is tentative and conditioned (when applicable) by the applicant's subsequent graduation from high school and/or satisfactory completion of the current college semester. Applicants must request the proper person send the official high school and/or college transcripts to the Office of Admissions. Credentials submitted by the applicant are not considered official. These records should include confirmation of graduation from high school and/or evidence of good standing at the termination of the college semester.

ACADEMIC POLICIES

Registration

The Office of the Registrar directs and coordinates matriculation of all students, but the courses selected by the student are conditioned by academic programs and regulations.

Background Check

Students who will have experiential learning components required as part of their degree programs must authorize, submit to and pay for a criminal background check prior to entering the program, and in some circumstances, on an annual schedule after admission. Details are available from each school/division dean/director.

Registration Dates

General dates and times for registration are published in advance by the Registrar.

Tuition and Fees

Shenandoah University reserves the right to make void the registration of any student who fails to comply with registration instructions or fails to pay the prescribed tuition and fees.

Prerequisites

Before beginning a course, a student is expected to have fulfilled the appropriate prerequisites. A student who has not met the prerequisites may be denied registration or be un-enrolled.

Adding or Dropping

Students wishing to drop or add a course may do so either online or by completing a Schedule Adjustment Form available from the Office of the Registrar. The effective date for any change in registration is the date completed online or noted on the Schedule Adjustment Form received in the Office of the Registrar.

Entire Term

Courses scheduled for an entire term of 14 or more weeks: Students may add individual courses for the first six calendar days after the beginning of the term.

Courses scheduled for less than 14 weeks: Students may add individual courses up to the point at which 10 percent of the total class meeting time occurred.

Without Record

For courses scheduled for an entire term of 14 or more weeks: Students may drop individual courses without record for the first six calendar days after the beginning of the term.

For courses scheduled for less than 14 weeks: Students may drop individual courses without record up to the point at which 10 percent of the total class meeting time has occurred.

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audit course

Students may enroll in courses on an audit basis. The audited course will not be used in determining the student's full-time or part-time enrollment status for the semester. A change in status cannot be made after the sixth calendar day of a semester.

withdrawal

Students who withdraw from Shenand

Physics
Design Technology
En

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PHYS 105
no credit

German, Level 2	60	6	GER 201, 202
Spanish, Level 1	50	6	SPAN 101, 102
Spanish, Level 2	63	6	SPAN 201, 202
<i>Science and Math</i>			
Biology	50	4	BIO 105
Precalculus	50	3	MATH 102
Calculus	50	5	MATH 201
Chemistry	50	4	CHEM 121
College Algebra	50	3	MATH 101
College Alg-Trig	50	6	MATH 101, 102
College Math	50	3	MATH 151
Natural Sciences	50	4	SCI elective
Trigonometry+	50	3	MATH 102
<i>Business</i>			
Financial Accounting	50	3	BA 211
Principles of Accounting I	50	6	BA 211,* BA 212*
Introductory Business Law	50	3	BA 201
IS and Computer Apps	50	3	ISCT elective
Principles of Macroecon	50	3	EC211
Principles of Microecon	50	3	EC212
Principles of Management	50	3	BA elective
Principles of Marketing	50	3	BA elective

*This does not apply to Accounting majors. This exam replaced by Financial Accounting.

+Replaced by precalculus in 2006.

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Challenge Examinations, which allow a student to earn credit for a course by passing a comprehensive examination on the content of the course, are available for some courses, subject to the approval of the faculty member responsible for the course, the dean/director of the academic unit in which the course is taught, and the senior vice president & vice president for academic affairs. Challenge exams are not given if a comparable CLEP or other approved standardized test is available for the course.

Challenge Examinations must be completed before the end of the drop/add period for fall or spring semester. The student must be registered for the course in which the Challenge Examination is being taken, and the course is counted in the student's workload for purposes of assessing tuition and fees. Grades are awarded in courses completed by Challenge Examination.

Students interested in Challenge Examinations should obtain a "Request for Challenge Examination" form in the Registrar's Office.

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Each academic unit may determine, subject to the approval of the senior vice president & vice president for academic affairs, which, if any, other examinations are accepted. Each unit also determines the minimum passing score for such examinations and the credit, if any, to be awarded.

Transfer Credits

Students may be awarded credit for satisfactory completion of course work in the armed services, business and industry, or government agencies as recognized by the American Council on Education

4. Complete all necessary assessment measures and surveys as deemed appropriate by the university or school.

A student may complete the requirements for the initial degree under the provisions of any catalog between the year in which they matriculate into the university and the year in which they graduate from the university.

Consult degree requirements in each school for further restrictions.

General Education Curriculum

The general education program is required of all students entering Shenandoah University as a first-year/freshman. This requirement is in addition to the college/school requirements and the major/program of study requirements. Transfer students should consult with their advisor and/or the director of general education concerning their general education requirements.

Students should direct all questions regarding general education to their college/school/program dean or director, and/or the director of general education at asarch@su.edu.

General Education Purpose

The purpose of general education is to provide a broad base of knowledge and skills that will prepare students for a variety of careers and life situations.

Critical Thinking

Definition: Critical Thinking is the process of analyzing a problem in an impartial, rational, and methodological manner. Necessary skills in this process include the ability to identify the salient arguments, accurately interpret available evidence and justify conclusions in an objective manner.

Objectives: Students who complete the general education program shall demonstrate the ability to:

1. Accurately interpret evidence, statements, graphics, questions, expression, etc.;
2. Identify salient arguments (reasons and claims) pro and con;
3. Thoughtfully analyze and evaluate alternative points of view;
4. Justify key results and procedures, explain assumptions and reasons; and
5. Objectively follow where evidence and reason lead.

Effective Communication

Definition: In order to communicate effectively, individuals must understand the operations of language in the context of social, cultural, and discipline-specific norms. Effective communication requires fluency in expressing and articulating ideas, reading and listening actively, and using and understanding multiple modes of language delivery, including technology. Students must demonstrate their ability to communicate effectively in both written and oral form.

Written Communication Objectives: Students who complete the general education program shall demonstrate the ability to:

1. Adapt written presentations through analysis to fit an audience;
2. Use evidence ethically and appropriately to inform, investigate or persuade;
3. Use the composing process (brainstorming, drafting, revising and editing) in developing texts/presentations;
4. Distill a primary purpose into a single central idea;
5. Develop major points in a reasonable, organized, and convincing manner based on a central idea; and
6. Present ideas using standard conventions of grammar, usage and mechanics.

4. Demonstrate the effective use of instructor/audience feedback in the development and delivery of their presentations.

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Definition: For students to fully understand their world, they need to appreciate the human capacity for artistic expression through performance or study.

1. Ask, find or determine answers to questions derived from curiosity about everyday experiences;
 2. Describe, explain and predict natural phenomena;
 3. Read with understanding articles about science in the popular press so that one can engage in assessment about the validity of the conclusions;
 4. Identify scientific issues underlying national and local decisions and express positions that are scientifically and technologically informed;
 5. Evaluate the quality of scientific information on the basis of its source and the methods used to generate it; and
 6. Pose and evaluate arguments based on evidence and to apply conclusions from such arguments appropriately.
- (A portion of these objectives reprinted with permission from the National Science Education Standards © 1996 by the National Academy of Sciences, Courtesy of the National Academies Press, Washington, D.C.)

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Definition: Moral reasoning involves an ability to recognize the moral implications of various situations, policies and decisions, and to propose and justify a course of action.

Objectives: Students who complete the general education program shall demonstrate the ability to:

1. Identify the biological, physiological, historical and/or social underpinnings of human behavior;
2. Understand how individuals and/or society develops physically, cognitively, historically and/or politically;
3. Articulate and apply appropriate theoretical/historical frameworks for understanding the human experience; and
4. Assess how social situations affect human/societal behavior.

Individual in the World

Definition: The study of the individual in the world investigates peoples, cultures and/or governments different from the students own in an attempt to foster an appreciation of cultural diversity. Such a global perspective is a cornerstone of productive citizenry in the 21st century. As a result, courses that fulfill this requirement will provide students with multiple perspectives, global awareness, and personal engagement.

Objectives: Students who complete the general education program shall demonstrate the ability to:

1. Describe a cultural viewpoint different from their own and discuss the advantages of a different cultural viewpoint;
2. Provide an example of interdependence and discuss a global issue from an interactive and interdependent perspective; and
3. Articulate the importance of developing a global perspective and identify resource options available for use in developing such a perspective.

Requirements

Domain	Credits
1) Effective Communication (EC) (Every student must complete ENG 101 or its equivalent and an Oral Communication course)	6-9
2) Artistic Expression (AX)	3-6
3) Quantitative Literacy (QL)	3-6
4) Scientific Literacy (SL)	3-8
5) Moral Reasoning (MR)	3-6
6) The Individual in Society (IS)	

Course	Title	Credit Hours
AMST/ENG 310	American Autobiography	3
AMST/ENG 315	Nature Writing in America	3
AE 101	Applied Elective Study	1
AE 102	Applied Elective Study	2
APCP 105	Basic Piano and Keyboard Harmony Skills 1	1
APCP 106	Basic Piano and Keyboard Harmony Skills 2	1
ART 200	Art Appreciation	3
ART 216	American Art	3
DAPE 113	Modern Dance 1	1
DAPE 114	Modern Dance 2	1
DAPE 120	Foundations of Ballet Technique	2
DAPE 123	Ballet 1	1
DAPE 124	Ballet 2	1
DAPE 133	Jazz 1	1
DAPE 134	Jazz 2	1
DAPE 135	Tap 1	1
DAPE 136	Tap 2	1
DAPE 152	Contact Improvisation and Partnering	1
DAPE 393	Social Dance Skills	1
ENG 102	Introduction to Literature	3
ENG 213	Literature in Critical Perspectives	3
ENG 235	Ancient World Literature	3
ENG 321	Studies in Short Fiction	3
ENG 325	American Short Story	3
ENG 326	Modern Southern Novel	3
ENG 347	20th Century Novel	3
ENG 349	19th Century British Novel	3
ENG 350	Modern British Novel	3
ENG 356	Arthurian Literature	3
ENG 358	Willa Cather's America	3
ENG 361	Studies in Drama	3
ENG 363	Shakespeare	3
ENG 382	English Romantic Poetry	3
ENG 383	Modern American Poetry	3
ENG 386	Victorian Poetry	3
ENG 388	Modern British Poetry	3
HU 200	Arts in Western Europe	3
MUEN**	Ensembles (audition required)	vary
MUEN 372	World Music Ensemble	1
MULT 203	History of Western Music 1	2
MULT 225	An Introduction to Rock Music	3
MULT 275	Survey of Western Music	3
MULT 361	Survey of World Music: South Asia/Middle East/Europe	1
MULT 362	Survey of World Music: Sub-Saharan Africa/Caribbean	1
MULT 363	Survey of World Music: Americas	1
MULT 364	Survey of World Music: Central, East and Southeast Asia	1
MULT 411	Piano Literature 1	2
MULT 432	Jazz History	2
MUPP 233	Voice Class	1
MUPP 320	Guitar Class	1

TH 399	Theater Productions	1
TH 107	Theater Appreciation	3
TH 208	Script Analysis	3
TH 351	History of Theatre 1	3
TH 352	History of Theater 2	3
TH 355	American Musical Theater 1	3
WST 200	Images of Women in American Film	3

Mathematics and Statistics

Course	Title	Credit Hours
BA 203	Stats and Data Analysis for Business	3
MATH 100	Mathematical Thinking	3
MATH 101	Precalculus I	3
MATH 102	Precalculus II	3
MATH 201	Calculus and Analytical Geometry I	5
MATH 207	Introduction to Statistics	3

Life and Physical Sciences

Course	Title	Credit Hours
BIO 105	The Natural World	4
BIO 121	General Biology I	4
BIO 122	General Biology II	4
BIO 231	Anatomy and Physiology I	4
BIO 232	Anatomy and Physiology II	4
CHEM 105	Chemistry and Society	4
CHEM 121	General Chemistry I	4
CHEM 122	General Chemistry II	4
ES 101	Introduction to Environmental Studies	3
ES 105	Field Natural History	4
GEO 101	Physical Geograpgy	3
GEOL 201	Geology	4
PHYS 103	Acoustics	3
PHYS 105	Physical Universe	4
PHYS 111	College Physics I	4
PHYS 121	General Physics I	4

Humanities and Social Sciences

Course	Title	Credit Hours
AMST/ENG 310	American Autobiography	3
HP 451	Bioethics for Health Care Professionals	3
KIN 342	Ethics in Sport	3
PHIL 101	Introduction to Philosophy	3
PHIL 120	History of Western Philosophy	3
PHIL 130	Introduction to Medical Ethics	3
PHIL 150	Ethics and Society	3
PHIL/REL 225	Christian Social Ethics	3
PHIL/REL 311	Asian Religion and Philosophy	3
PHIL 320	Aesthetics	3
PHIL 331	Philosophy of Nonviolence	3
PSCI 311	Organizational Leadership	3

MCOM 211	Media Ethics	3
REL 101	Introduction to Religious Thought	3
REL 110	The Global Context of Christian Leadership	3
REL 112	Christian Discipleship	3
REL 202	World Religions	3
REL 210	Introduction to Hebrew Bible	3
REL 211	Introduction to the New Testament	3
REL 212	Life of Jesus	3
REL 251	Christian Spirituality	3
REL 332	Christianity and the African-American Experience	3

Religious Studies

Course	Title	Credit Hours
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Time

A full-time student should complete the degree requirements within six years of initial registration at Shenandoah. Time extensions may be granted when approved by the senior vice president & vice president for academic affairs.

Additional Degree

A student who already holds a bachelor's degree from Shenandoah University may complete an additional degree. The student seeking the additional degree must request re-admission to the university. There is no minimum credit hour requirement for an additional degree, but all curriculum requirements in effect at the time of re-admission must be completed. Upon completion of the additional degree, the student will receive an additional diploma and will be entitled to participate in commencement ceremonies.

A transfer student (whose bachelor's or first professional degree was not from Shenandoah University) must complete Shenandoah University "Requirements for Degrees" as well as all major requirements. University-mandated general education requirements will be considered to have been fulfilled, but core requirements of individual academic units will be considered on a case-by-case basis. Requirements mandated by external accrediting agencies must be met.

Program Changes

Shenandoah University is committed to continuity and stability in its degree and program offerings. However, it may be necessary, from time to time, to modify or terminate program requirements, content or sequence of course offerings for various reasons. These include, but are not limited to:

Students enrolled in baccalaureate degree programs are classified as follows:

2. The right to request an amendment to any education records the student believes are inaccurate or misleading, and the right to request a hearing if the request to correct an alleged inaccuracy is denied.
3. The right to provide written consent to disclosures of personally identifiable information contained in the student's educational records, except to the extent that FERPA authorizes disclosure without consent. FERPA allows schools to disclose records, without written consent, to the following parties or under the following conditions:
 - SU officials with legitimate educational interests. A school official has a legitimate interest if the official needs to review an educational record in order to fulfill his or her professional responsibility.
 - Other schools to which a student is transferring;
 - Specified officials for audit or evaluation purposes;
 - Appropriate parties in connection with financial aid to a student;
 - Organizations conducting certain studies for or on behalf of the school;
 - Accrediting organizations;
 - To comply with a judicial order or lawfully issued subpoena;
 - Appropriate officials in cases of health and safety emergencies; and
 - State and local authorities, within a juvenile justice system, pursuant to specific state law.
4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by SU to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-5920
Phone: 1-800-USA-LEARN (1-800-872-5327)

Education records, as defined by FERPA, include, but are not limited to:

- GPAs, transcripts, and final course grades
- admissions materials
- financial aid records
- disciplinary records
- attendance records
- academic counseling records

Shenandoah University is fully committed to protecting the privacy of its students (r

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participation in any program or activity of the university because of a disability. Pursuant to this policy, the university's Disabilities Services office is a resource for students, faculty and staff. Any individual who believes he or she has a disability covered under disability laws can provide the requisite documentation and request accommodations and resources from Disability Services.

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The Academic Review Board hears all appeals from the Academic Review Board. The Academic Review Board is composed of members from the faculty, staff, and students. The Academic Review Board is responsible for reviewing and recommending actions on appeals of academic decisions. The Academic Review Board is also responsible for reviewing and recommending actions on appeals of disciplinary decisions. The Academic Review Board is also responsible for reviewing and recommending actions on appeals of financial aid decisions. The Academic Review Board is also responsible for reviewing and recommending actions on appeals of student conduct decisions. The Academic Review Board is also responsible for reviewing and recommending actions on appeals of student organization decisions. The Academic Review Board is also responsible for reviewing and recommending actions on appeals of student government decisions. The Academic Review Board is also responsible for reviewing and recommending actions on appeals of student union decisions. The Academic Review Board is also responsible for reviewing and recommending actions on appeals of student center decisions. The Academic Review Board is also responsible for reviewing and recommending actions on appeals of student life decisions. The Academic Review Board is also responsible for reviewing and recommending actions on appeals of student activities decisions. The Academic Review Board is also responsible for reviewing and recommending actions on appeals of student organizations decisions. The Academic Review Board is also responsible for reviewing and recommending actions on appeals of student government decisions. The Academic Review Board is also responsible for reviewing and recommending actions on appeals of student union decisions. The Academic Review Board is also responsible for reviewing and recommending actions on appeals of student center decisions. The Academic Review Board is also responsible for reviewing and recommending actions on appeals of student life decisions. The Academic Review Board is also responsible for reviewing and recommending actions on appeals of student activities decisions.

Grading System

The chart below shows the standard SU grading system. Individual schools, divisions or professors may elect not to give "+" or "-" grades, but must clearly state their policy in their student materials.

<u>Grade</u> ____	Description	Quality	Credits Included in GPA	Credits
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The incomplete notation "IR" is only allowed for graduate student dissertations, thesis or research projects. An IR notation does not require the contractual arrangement necessary for students receiving

require a student to complete more than 120 credit hours, and some students choose to pursue their education on a less than

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Only under justifiable conditions shall a petition

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In the event of a campus closure, causing faculty to miss contact hours, faculty have several options:

1. Faculty may hold class during the scheduled time for make-up that appears with the closure notice or within another mutually defined time through consultation with the deans/directors. Faculty should follow their standard attendance policy.
2. Faculty may reorganize their syllabus to absorb content and classroom work through regularly scheduled classes.
3. Faculty may use digital means to hold class, either synchronously through teleconferencing, chatting or discussion boards; or asynchronously through Blackboard course management system, web pages or some other means. Faculty should follow their standard attendance policy and make allowances to complete work at a later date if students do not have access to the Internet.
4. Faculty may offer an assignment in replacement of the contact hours. These assignments could include quizzes, papers, podcasts, research assignments, etc.

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In the event of a campus closure during the week of finals, faculty have several options:

1. Faculty may offer the students the option to take the final either on the date for make-up that appears in the closure notice or within another mutually defined time through consultation with the deans/director to be no later than the add/drop period of the following semester. The university will follow the schedule as outlined for the day it closed. Faculty will have to coordinate with their department to find exam locations for returning students who wish to take the exam at the beginning of term.
2. Faculty may offer the exam as a take-home exam or use distance-learning means to have the students submit their final work (i.e. online exams through Blackboard, podcasts of performance or presentations, web page creations, power point presentations, etc.).
3. Faculty may change the final exam assignment to something that can be done through digital means, such as a paper or a podcast.
4. Faculty may offer their classes the option of reassigning different weights to already completed course work (e.g. quizzes, exams, papers, portfolios, projects, presentations, etc.), thereby forgoing the final. However, if a student wants to take a final exam, faculty must grant that request and offer the student the option to do so within the time specified in #1.

Records

Shenandoah University accords to students all rights under the law. No one outside the institution shall have access to, nor will the institution disclose any information from, students' education records without the written consent of students, except to personnel within the institution, persons or organizations providing student financial aid, accrediting agencies carrying out their accreditation function, persons in compliance with a judicial order and persons in an emergency in order to protect the health or safety of other person

Residence Plans

Room and Board/19-Meal Plan	\$4,435/term
Room and Board/15-Meal Plan	\$4,193/term
Room and Board/10-Meal Plan	\$3,950/term
Private Room Surcharge	\$550/term

Residence

Full-time Students: Students registered for 12 or more credits, including applied music lessons, are considered full-time.

Part-time Students: Students registered for less than 12 credits, including applied music lessons, are considered part-time.

Residence Halls: The residence hall rates include housing and meals. Meals are served in the campus dining hall seven days a week except during published vacation periods.

Students are responsible for their own linens. Refer to Shenandoah University's Web site (www.su.edu) or the Student Handbook for more information.

Residence Hall Damage Deposit: \$100

New residential students are required to pay a Residence

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Students withdrawing from the university during the published add/drop period will bw

FINANCIAL AID

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Federal Supplemental Educational Opportunity Grant (SEOG): These grants are awarded by the university from federal funds to students demonstrating exceptional financial need. Priority is given to Pell Grant recipients.

Academic Competitiveness Grant (ACG): These grants are potentially available to Pell-eligible students who have completed a rigorous high school program as defined by their state or the U.S. Secretary of Education. These grants are available to eligible students during their first and second academic years of college.

National Science and Mathematics Access to Retain Talent (SMART) Grant: National SMART Grants are potentially available to Pell-eligible students who are U.S. citizens and enrolled in a college major such as science, mathematics, technology, engineering, and certain foreign languages. At Shenandoah University, the current qualifying majors are biology, chemistry and mathematics. These grants are available to eligible students for their third and fourth academic years of college.

Federal Perkins Loan: Perkins is a low-interest loan funded by the federal government and administered by Shenandoah University. Preference is given to students with exceptional need. Students may borrow up to \$4,500 per year if the student is enrolled in a program leading to a bachelor's degree, or a total of \$27,500 as an undergraduate. If a student is attending school at least half-time, they have nine months after they graduate, leave school or drop below half-time status before they must begin repayment. Students may have longer than nine months if they are on active duty in the military. At the end of the grace period, students must begin repaying their loans. Students may be allowed up to 10 years to repay.

Federal Work Study Program: This program is designed to provide students with part-time employment opportunities on campus. The program is available to students who are Pell-eligible and have a minimum 2.0 GPA. Students are awarded work-study positions based on their financial need and the availability of funds. The program is designed to provide students with part-time employment opportunities on campus. The program is available to students who are Pell-eligible and have a minimum 2.0 GPA. Students are awarded work-study positions based on their financial need and the availability of funds.

the loan is disbursed until it is paid in full. Students are permitted the option of paying the interest each quarter or deferring interest payments

Student Enroll

COLLEGE OF ARTS & SCIENCES

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e e ur se

The College of Arts & Sciences supports the university's mission to prepare individuals to be critical, reflective thinkers; lifelong learners; and ethical, compassionate citizens who are committed to making responsible contributions within a community, a nation and the world. In order to accomp

d. a score in the 80th percentile (based on the SU norm) and above on the foreign language placement exam.

4. A student must complete the requirements for a major. Students must also complete a second major, a minor or the Teacher Education Professional Studies Certificate program. A grade of "C" or better is required of each course counted toward a major, minor or certificate.

e d e

It is the policy of the College of Arts & Sciences that if a student misses more than 20 percent of the contact hours in a course, for any reason, the student will have to withdraw from the course before the withdrawal deadline or receive an "F" as a final grade. The instructor may modify this policy according to the nature of the course.

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Students are not required to declare a major or minor at the time of enrollment. Students are not required to declare a major or minor at the time of enrollment. Students are not required to declare a major or minor at the time of enrollment.

approved or not) will be forwarded to the dean of the College of Arts & Sciences. The contract must be completed before the conclusion of the university's course addition deadline to ensure proper registration. In the ev

Students planning to continue their education after graduation should consult graduate or professional school catalogs to determine admissions requirements at those institutions. They should also discuss these requirements with their advisors at Shenandoah University.

Degree programs available within the College of Arts & Sciences are listed under their appropriate divisions.

-
- c) Biology Teacher Licensure
 - d) Pre-Medicine and Pre-Dentistry
 - e) Pre-Physician Assistant
 - f) Pre-Physical Therapy
 - g) Pre-Occupational Therapy
 - h) Pre-Veterinary Medicine

*See the program coordinator for recommended courses.

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BIO 121 General Biology I (Gen Ed Domain 4)p*SVbWc

rd e r ri			
CHEM		Elective 200 level or higher	4
		Gen Ed Domain 5	3
		Gen Ed Domain 1 (Oral Communication)	3
		Elective	3
		Elective	3
		Total	14

e r			
		Elective	3
		Elective	3
		Elective	3
		Elective	3
BIO		Elective	4
		Total	16

e r ri			
BIO	409	Cell Biology	4
		Elective	4
		Elective	3-4
		Elective	3-4
		Total	14-16

re-			
s e r			
BIO	121	General Biology I (Gen Ed Domain 4)	4
		Gen Ed Elective	3
		Foreign Language (Arts & Sciences requirement)	3
ENG	101	Composition (Gen Ed Domain 1)	3
FYS	101	Going Global (Gen Ed Domain 7)	3
		Total	16

s e r ri			
BIO	122	General Biology II (Gen Ed Domain 4)	4
ENG	102	Intro to Literature (Gen Ed Domain 2)	3
MATH	207	Intro to Statistics (Gen Ed Domain 3)	3
PSY	101	General Psychology (Gen Ed Domain 6)	3
		Foreign Language (Arts & Sciences requirement)	3
		Total	16

2 d e r			
CHEM	121	General Chemistry I	4
BIO	201	Medical Terminology	3
BIO	231	Human Anatomy and Physiology I	4
BIO		Elective (Biotechniques elective)	3
		Foreign Language (Arts & Sciences requirement)	3
		Total	17

2 d e r r i			
CHEM	122	General Chemistry II	4
BIO	232	Human Anatomy and Physiology II	4
BIO	260	Microbiology	4
		Foreign Language (Arts and Sciences requirement)	3
		Total	15

r d e r			
CHEM	331	Biochemistry I	4
BIO	312	Genetics	4
BIO	191	Intro to Bio Research	3
BIO	321	Ecology	4
		Total	15

r d e r r i			
CHEM		Elective (200 level or higher)	4
PSY	220	Child Development	3
		Gen Ed Domain 5	3
		Gen Ed Domain1 (Oral Communication)	3
		Elective	3
		Total	16

e r			
BIO		Elective	4
		Elective	3
		Elective	3
		Elective	3
		Elective	3
		Total	16

e r r i			
BIO	409	Cell Biology	4
		Elective	3-4
		Elective	3-4
		Elective	3-4
		Total	13-16

re- e r e d i e

s e r			
BIO	121	General Biology I (Gen Ed Domain 4)	4
ENG	101	Composition (Gen Ed Domain 1)	3
MATH	201	Calculus and Analytic Geometry I (Gen Ed Domain 3)	5
FYS	101	Going Global (Gen Ed Domain 7)	3
		Foreign Language (Arts & Sciences requirement)	3
		Total	18

s e r r i			
BIO	122	General Biology II (Gen Ed Domain 4)	4
ENG	102	Intro to Literature (Gen Ed Domain 2)	3
MATH	202	Calculus and Analytic Geometry II (Gen Ed Domain 3)	5
PSY	101	General Psychology (Gen Ed Domain 6)	3
		Foreign Language (Arts & Sciences requirement)	3
		Total	18

2 d e r

CHEM	121	General Chemistry I	4
BIO	321	Ecology	4
BIO	201	Medical Terminology	3
		Gen Ed Domain 5	3
		Foreign Language (Arts & Sciences requirement)	3
		Total	17

2 d e r r

CHEM	122	General Chemistry II	4
BIO	231	Human Anatomy and Physiology	4
BIO	260	Microbiology	4
		Foreign Language (Arts & Sciences requirement)	3
		Total	14

rd e r

CHEM	301	Organic Chemistry I	4
BIO	312	Genetics	4
BIO	191	Intro to Bio Research	3
BIO	232	Human Anatomy and Physiology	4
		Total	15

rd e r r

CHEM	302	Organic Chemistry II	4
PSY	220	Child Development	3
		Electivē	

s e r r i			
BIO	122	General Biology II (Gen Ed Domain 4)	4
ENG	102	Intro to Literature (Gen Ed Domain 2)	3
MATH	202	Calculus and Analytic Geometry II (Gen Ed Domain 3)	5
PSY	101	General Psychology	3
		Foreign Language (Arts & Sciences requirement)	3
		Total	18
2 d e r			
CHEM	121	General Chemistry I	4
BIO	321	Ecology	4
BIO	325	Animal Behavior	4
		Foreign Language (Arts & Sciences requirement)	3
		Total	15
2 d e r r i			
CHEM	122	General Chemistry II	4
BIO	260	Microbiology	4
		Foreign Language 102 (Arts & Sciences requirement)	3
		Gen Ed Domain 5	3
		Total	14
r d e r			
CHEM	301	Organic Chemistry I	4
BIO	312	Genetics	4
BIO	191	Intro to Bio Research	3
BIO	201	Medical Terminology	3
		Total	14
r d e r r i			
CHEM	302	Organic Chemistry II	4
BIO	351	Vertebrate Zoology	4
PSY	220	Child Development	3
		Gen Ed Domain 1 (Oral Communication)	3
		Total	14
e r			
BIO		Elective (Biotechniques)	3
BIO		Elective	4
PHYS	111		
		or	
PHYS	121		4
		Elective	3
		Elective	3
		Total	17

e r r			
BIO	409	Cell Biology	4
PHYS	112		
	or		
PHYS	122		3
		Elective	3-4
		Elective	3-4
		Total	13-15

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s e r -			
BIO	121	General Biology I (Gen Ed Domain 4)	4
ENG	101	Composition	3
FYS	101	Going Global (Gen Ed Domain 7)	3
		Foreign Language (Arts & Sciences requirement)	3
		Elective	3
		Total	16

s e r r			
BIO	122	General Biology II (Gen Ed Domain 4)	4
ENG	102	Intro to Literature (Gen Ed Domain 2)	3
		Foreign Language (Arts & Sciences requirement)	3
		Gen Ed Domain 3	3
		Elective	3
		Total	16

2 d e r			
CHEM	121	General Chemistry I	4
BIO	325	Animal Behavior	
	or		
BIO	342	Plant Taxonomy	4
BIO		Elective (Biotechniques elective)	3
		Foreign Language (Arts & Sciences requirement)	3
		Total	17

2 d e r r			
CHEM	122	General Chemistry II	4
BIO		Elective (200 level or higher)	4
BIO	260	Microbiology	4
		Foreign Language (Arts & Sciences requirement)	3
		Total	15

rd e r			
CHEM	311	Instrumental Analysis	4
BIO	351	Vertebrate Zoology	
	or		
BIO	344	Plant Morphology	4
		Gen Ed Domain 5	3
		Gen Ed Domain 1 (Oral Communication)	3
		Elective	3
		Total	15

rd e r ri			
CHEM	311	Instrumental Analysis	4
BIO	351	Vertebrate Zoology	
		or	
BIO	344	Plant Morphology	4
		Foreign Language 202 (Arts & Sciences Core)	3
		Gen Ed Domain 5	3
		Gen Ed Domain/Elective	1
		Total	15
e r			
BIO		Elective	4
		Elective	3
		Elective	3
		Elective	3
		Elective	3
		Total	16
e r ri			
BIO	409	Cell Biology	4
		Elective	3-4
		Elective	3-4
		Elective	3-4
		Total	13-16

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Diep Ca, Associate Professor of Chemistry

Gregory Hall, Room 210, (540) 678-4330

The Chemistry program prepares students for graduate study in chemistry; further studies in health-related occupations such as pharmacy, medicine, and dentistry; teaching in secondary schools; and for a wide variety of chemistry-related positions in industry and government, including quality control, environmental control, production supervision and research and development. The program also provides necessary experience and background for students studying biological or environmental science. Development of comprehension, expertise and hands-on skills occur in a supportive laboratory-based environment and culminate in an individualized research project.

ourses e uired r e e i s r _ r
Course Title

Credit Hours

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e i s r**s e r**

CHEM	121	General Chemistry I (Gen Ed Domain 4)	4
MATH	101	Precalculus I (Gen Ed Domain 3)	3
FYS	101	Going Global (Gen Ed Domain 7)	3
		Foreign Language (Arts & Sciences Requirement)	3
MCOM	150	Principles of Public Speaking (Gen Ed Domain 1)	3
		Total	16

s e r r i

CHEM	122	General Chemistry II (Gen Ed Domain 4)	4
MATH	102	Precalculus II (Gen Ed Domain 3)	3
ENG	101	Composition (Gen Ed Domain 1)	3
		Foreign Language (Arts & Sciences Requirement)	3
		Total	13

2 d e r

MATH	201	Calculus and Analytic Geometry I	5
CHEM	211	Analytical Chemistry	4
PHYS	111	College Physics I	4
		or	
PHYS	121	General Physics I (Gen Ed Domain 2)	3
		Total	16

2 d e r r i

MATH	202	Calculus and Analytic Geometry II	5
CHEM	311	Instrumental Analysis	4
		Recommended course*	4
		Recommended course*	4-5
		Total	17-18

r d e r

CHEM	301	Organic Chemistry I	4
CHEM	331	Biochemistry I	4
CHEM	491	Research Seminar	2
		Gen Ed Domain 5	3
		Elective for Minor	3
		Total	16

r d e r r i

CHEM	302	Organic Chemistry II	4
CHEM	332	Biochemistry II	4
CHEM	492	Research Seminar	2
		Elective for Minor	3
		Elective for Minor	3
		Total	16

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EN

		Elective	3
		Total	15
e r			
ENG	499	Senior Comprehensive Study	
	or		
ENG		Elective (300 level genre)	3
ENG		Elective	3
		Elective/Elective for Minor	3
		Elective/Elective for Minor	3
		Elective/Elective for Minor	3
		Total	15
e r ri			
ENG	499	Senior Comprehensive Study	3
ENG		Elective	3
		Elective/Elective for Minor	3
		Elective/Elective for Minor	3
		Elective for Minor	3
		Total	15

is s e d, u e er, l e
Sara White
Academic Enrichment Center, (540) 678-4302

All international students for whom English is not the

Environmental Studies

Woodward Bousquet, Professor of Environmental Studies and Biology
Gregory Hall, Room 213, (540) 665-5461

Environmental Studies combines perspectives from the natural and social sciences with applied experiences in the laboratory, field sites and community settings. The major consists of required courses and projects that provide an interdisciplinary understanding of environmental concepts, issues and methods for resolving problems. Additional courses enable the student to develop selected competencies in greater depth as preparation for graduate study and/or a professional career.

Required Courses for Environmental Studies

Many of the electives listed above can be combined with other courses to develop a specialized field within the broad profession of environmental studies. While optional, 15-20 credits are highly recommended. All specialized fields include an internship. See the program coordinator for recommended courses.

Specialized Fields:

- Environmental Analysis
- Environmental Education
- Environmental Policy
- Field Biology
- International Environmental Studies
- Self-Designed Field

Environmental Studies

Series

ES	101	Intro to Environmental Studies	3
BIO	121	General Biology I (Gen Ed Domain 4)	4
ENG	101	Composition (Gen Ed Domain 1)	3
		Foreign Language (Arts & Sciences requirement)	3
FYS	101	Going Global (Gen Ed Domain 7)	3
		Total	16

Series

BIO	122	General Biology II (Gen Ed Domain 4)	4
ENG	102	Intro to Literature (Gen Ed Domain 2)	3
		Foreign Language (Arts & Sciences requirement)	3
MCOM	150	Principles of Public Speaking (Gen Ed Domain 1)	3
	or	Gen Ed Domain 6	3
ES	290	Environmental Issues Seminar	2
	or	Elective	3
		Total	15-16

2 d e r

BIO	321	Ecology	4
GEO	201	Economic Geography	
	or		
GEO	301	H*—JvKSWéyóterépkW51nKakéTlUto*SSBRSZéJEKt8*—JvKéymSRUVTRRyCBByBisKéy	
		Foreign	

Gen Ed Domain 7	3
Elective for minor	3
Elective for minor	3
Total	14-16

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re L r

Petra Schweitzer, Assistant Professor of French and German
Henkel Hall, Room 213, (540) 545-7380

The minor in French offers students the opportunity to develop valuable skills and fluency in a second language and provides studies in literature and culture relevant to French and Francophone studies.

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IS R . . .

Julie Hofmann, Associate Professor of History
Davis Hall, Room 207, (540) 665-4792

The major in History is designed to increase an understanding of the present and future by studying and interpreting the past. The content and methodology of historical studies is basic to a liberal arts education in the 21st century and to an understanding of the world and the dynamics of change. History also provides a firm foundation for many careers. Recent graduates have found their way into various professions, such as museum and curatorial positions, law, journalism, school and college teaching, government service, foreign service, as well as admission to graduate study in a specialized field.

Required courses in the History major provide introductions to the primary historical traditions of world and U.S. history, political theory, methods of historical research and writing and other disciplines such as economics, literature and art, which bear on the historical process. Students are encouraged to use elective hours to develop depth in an area of emphasis such as American or European political and cultural histories or historic preservation. Students may also prepare for the teaching profession at the elementary, middle and secondary levels.

IS R - R - re

Course	Title	Credit Hours
HIST 101	World Civilizations I	3
HIST 102	World Civilizations II	3
HIST 103	United States History I	3
HIST 104	United States History II	3
HIST 301	Historical Thought and Interpretation	3
PSCI 301	History of Western Political Philosophy I	3
or		
PSCI 302	History of Western Political Philosophy II	3
HIST 495	Senior Seminar	3
	Electives in History (300 level or above)	18
	Total	39

IS R - R - e d r e e r | e sure | IS R d | I e e sis

Course	Title	Credit Hours
GEO 101	Physical Geography	3
GEO 201	Economic Geography	3
GEO 301	Human Geography	3
EC 211	Principles of Macroeconomics	3
EC 212	Principles of Microeconomics	3
ES 101	Introduction to Environmental Studies	3
HIST 350	Virginia History	3
HIST 381	British History	3
HIST 391	Asian History	3
HIST 445	Renaissance and Reformation	
or		3
SPAN 312	Latin American Civilization and Culture	
PSCI 201	American Government	3

2 d e r r i			
HIST		Elective (100 level course)	3
		Foreign Language (Arts & Sciences requirement)	
	or		
		Gen Ed Elective	3
PSCI	301	History of Western Political Philosophy I (Gen Ed Domain 5)	
	or		
PSCI	302	History of Western Political Philosophy II (Gen Ed Domain 5)	
	or		
		Elective	3
		Elective	3
		Elective	3-4
		Total	15-16
r d e r			
HIST		Elective (300 level course)	3
HIST		Elective (300 level course)	3
		Gen Ed Elective	3
		Elective	3
		Elective (Upper division)	3
		Total	15
r d e r r i			
HIST		Elective (300 level course)	3
PSCI	301	History of Western Political Philosophy I (Gen Ed Domain 5)	
	or		
PSCI	302	History of Western Political Philosophy II (Gen Ed Domain 5)	
	or		
		Elective	3
		Elective	3
		Elective	3
		Elective	3
		Total	15
e r			
HIST	301	Historical Thought and Interpretation	3
HIST		Elective (300 level course)	3
		Elective (Upper Division)	3
		Elective (Upper division)	3
		Elective (Upper division)	3
		Total	15
e r r i			
HIST	495	Seminar in Historical Studies	3
HIST		Elective (300 level course)	3
		Elective	3
		Elective	3
		Elective	3
		Total	15

Students are encouraged to take either HIST 101 and HIST 102 or HIST 103 and HIST 104 in the same year, as these courses are sequential.

same year, as these courses are sequential. HIST 301 is offered fall semester only. It is advised students take it immediately preceding HIST 495, which is normally offered spring semester only, unless other arrangements are made. This schedule is a sample schedule and is based on students passing Praxis I in year one, and Praxis II by the end of year two.

u i l s r e r l e r r

Ann Denkler, Assistant Professor of History
Davis Hall, Room 204, (540) 678-4334

Public History is the study and application of history outside the academic setting. Public historians use professional expertise and skills to document the past and to present it to the public in these settings. They curate and interpret museum collections, uncover and process archival materials and other primary sources, document an area's historic structures, conduct oral histories, create documentary films, work in tourism development and help preserve historic buildings and sites. Most importantly, they possess unparalleled investigative, critical and analytical capabilities, and they apply the tools of their craft in a broad spectrum of work environments.

The Public History Certificate Program at Shenandoah University trains students to work as professionals in these types of endeavors. Students have the unique opportunity to take advantage of cutting-edge programs through course work, internships and classes within the History Department and other departments on campus.

Students must have completed the United States History Survey HIST 103, HIST 104 sequence prior to enrollment in this program. Students must take HIST 341: Introduction to Public History (3 credits), complete a 3-credit hour internship and take a minimum of 12 credits from the following courses:*

erdis i i r _ _ se w

HIST 240 or HIST 241: America's Cultural and Historic Resources
or Foundations

1 | esl _ , . .

Brian Wigley, Associate Professor of Kinesiology
Gregory Hall, Room 154, (540) 665-5463

The kinesiology department offers a Bachelor of Science in Kinesiology. Because of the diversity of the field, students are required to pursue one of three emphases within the major: sport management, exercise science or general kinesiology. Teacher licensure in the field of physical education is another option for Kinesiology majors, with the curriculum mandated by the state of Virginia. Minors in Kinesiology and Coaching are also offered, and the sport management articulated program includes a minor in business.

In addition, a pre-athletic training program is offered in which students will complete 95 undergraduate hours prior to entering the athletic training graduate program, following the exercise science emphasis, in addition to specified elective hours. Upon completion of the first year of the graduate program, athletic training students will be eligible for the bachelor's degree.

BA	212	Principles of Accounting II	3
BA	307	Introduction to Management and Organizational Behavior	3
EC	211	Principles of Macroeconomics	3
EC	212	Principles of Microeconomics	3
		Emphasis hours	33

Exercise Electives

Course	Number	Description	Hours
BIOL	231	Human Anatomy and Physiology I	4
BIOL	232	Human Anatomy and Physiology II	4
KIN	283	Measurement and Evaluation in Physical Education	
		or	
MATH	207	Introduction to Statistics	3
KIN	284	Fitness Program Administration	3
KIN	340	Practicum in Exercise Science	1
KIN	352	Sports Nutrition	3
KIN	381	Biomechanics	3
KIN	384	Physiology of Exercise	4
KIN	387	Pyo*—JOKéyo*—JLKéyo*—VPTWBRByđ—aSTcéyo*—aSUCéyo*—aSTcéyo*—VBRByđ—JHKéyo*—	

2 d e r

BA	203	Statistics and Data Analysis for Business (Gen Ed Domain 3)	3
KIN		Elective (Sports Management sequence)	3
EC	211	Principles of Macroeconomics	3
		Elective (300 level)	3
KIN	191	CPR and First Aid	1
KIN		Activity	1
		Total	14

2 d e r r i

BA	307	Intro to Management and Organizational Behavior	3
EC	212	Principles of Microeconomics	3
KIN		Elective	3
KIN	342	Sports Ethics (Gen Ed Domain 5)	3
		Elective (300 level)	3
		Total	15

r d e r

KIN	350	Sport and Exercise Psychology (Gen Ed Domain 6)	3
BA	211	Principles of Accounting I	3
		Elective (300 level)	3
		Elective (300 level)	3
		Elective (300 level)	3
		Total	15

r d e r r i

BA	212	Principles of Accounting II	3
		Elective (300 level)	3
		Elective (300 level)	3
		Elective (300 level)	3
KIN		Elective (Sports Management Sequence)	3
		Total	15

e r

BA	330	Intro to Finance	3
KIN		Elective	3
		Elective (300 level)	3
		Elective (300 level)	3
		Elective (300 level)	3
		Total	15

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KIN	498	Internship in Sports Administration	6
BA	360	Intro to Marketing	3
		Elective (300 level)	3
		Elective	3
		Total	15

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ENG	101	Composition (Gen Ed Domain 1)	3
FYS	101	Going Global (Gen Ed Domain 7)	3
MATH	207	Intro to Statistics (Gen Ed Domain 3)	3
KIN	190	Intro to Kinesiology	3
		Elective	3
		Total	15

s e r ri

ENG	102	Intro to Literature (Gen Ed Domain 2)	3
KIN	101	Lifetime Fitness and Wellness	1
KIN	106	Aerobics	
		or	
KIN	110	Weight Training and Jogging	1
MCOM	150	Principles of Public Speaking (Gen Ed Domain 1)	3
PSY	101	General Psychology (Gen Ed Domain 6)	3
		Elective	3
		Total	14

2 d e r

BIO	231	Human Anatomy and Physiology I (Gen Ed Domain 4)	4
PSY		Elective	3
		Foreign Language (Arts & Sciences requirement)	3
		Elective	3
		Elective	3
		Total	16

2 d e r ri

BIO	232	Human Anatomy and Physiology II	4
KIN	387	Principles of Strength and Conditioning	3
		Foreign Language (Arts & Sciences requirement)	3
		Elective	3
		Elective	3
		Total	16

rd e r

KIN	384	Exercise Physiology	4
KIN	340	Practicum in Sports Medicine	1
KIN	350	Sport and Exercise Psychology	3
		Elective	3
		Elective	3
		Total	14

rd e r ri

KIN	352	Sports Nutrition	3
		Gen Ed Domain 5	3
		Gen Ed Elective	3
		Elective	3
		Elective	3
		Total	15

e r			
KIN	410	Exercise Prescription	3
KIN	191	CPR and First Aid	1
		Elective	3
		Elective	3
		Elective	3
		Elective	3
		Total	16

e r ri			
KIN	401	Internship in Sports Medicine	6
KIN	381	Biomechanics	3
KIN	460	Certification in Exercise Science	2
		Elective	3
		Total	14

e d si du J

This course of study will lead to licensure to teach in the public school system in the Commonwealth of Virginia.*

Course	Title	Credit Hours
KIN 106	Aerobics	1
or		
KIN 110	Weight Training and Jogging (whichever class did not fulfill the core)	1
KIN	Team Sport	1
KIN	Individual/Dual Sport	1
KIN 252	Personal & Community Health	3
KIN 263	Games of Low Organization	1
KIN 280	Care and Treatment of Athletic Injuries	3
KIN 283	Measurement and Evaluation in Physical Education	3
KNS 303	Materials and Methods in Teaching Health	3
KNS 304	Materials and Methods in Teaching Elementary & Secondary	3
KIN 384	Exercise Physiology	4
KNS 481	Adapted Physical Education	3
DA 261	Creative Movement	2
BIO 231	Human Anatomy and Physiology I	4
BIO 232	Human Anatomy and Physiology II	4
	Total hours	36

*Students must also complete all Professional Studies Requirements for Teacher Education.

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s e r			
ENG	101	Composition (Gen Ed Domain 1)	3
FYS	101	Going Global	3
KIN	101	Health and Fitness	1
BIO	121	General Biology I (Gen Ed Domain 4)	4
KIN	190	Intro to Kinesiology	3
		Foreign Language (Arts & Sciences requirement)	3
		Total	17

Course	Title	Credit Hours
KIN 101	Health and Fitness	1
KIN 190	Introduction to Kinesiology	3
KIN 191	CPR and First Aid	1
KIN 252	Personal and Community Health	3
KIN 350	Sport and Exercise Psychology	3
Activity Courses (one of the following)		
KIN 106	Aerobics	1
KIN 110	Weight Training and Jogging	1
Kinesiology electives (9 hours at the 300+ level)		9
Total		21

Required Courses for the Kinesiology Coaching Minor

The Kinesiology Coaching minor is recommended for students not majoring in Kinesiology who are

KIN	322	Motor Learning	3
KIN	342	Sports Ethics	3
KIN	350	Sport and Exercise Psychology	3
KIN	450	Sports Law	3
KIN	470	Facility Planning and Event Management	3
		Subtotal	12
Choose any two of the following:			
KIN	160	Coaching Football	1
KIN	162	Coaching Basketball	1
KIN	164	Coaching Volleyball	1
KIN	166	Coaching Baseball/Softball	1
KIN	168	Coaching Track & Field/Cross Country	1
KIN	170	Coaching Soccer	1
KIN	172	Coaching Lacrosse/Field Hockey	1
		Subtotal	2
		Total	17

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Gina Daddario, Professor of Mass Communication
Henkel Hall, Room 206A, (540) 678-4338

The Mass Communication major is designed to provide a foundation of knowledge and skills to prepare students for the communication challenges of the 21st century. All majors complete a common core of courses in media hi

MCOM		Elective (200-300 level course)	3
		Gen Ed Domain/Elective	3
		Gen Ed Domain/Elective	3
		Elective for Minor/Elective	3
		Total	15

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MCOM	310	Media Theory and Research	3
MCOM		Elective	3
MCOM		Elective	3
		Elective for Minor/Elective	3
		Elective for Minor/Elective	3
		Total	15

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MCOM	411	Media Law	3
MCOM		Elective	3
		or	
MCOM	398	Campus Media Internship	
MCOM		Elective	3
		Elective for Minor/Elective	3
		Elective	3
		Total	15

e r

MCOM		Elective	3
MCOM		Elective	3
MCOM		Elective	3
		or	
MCOM	398	Campus Media Internship	
		or	
MCOM	498	Field Media Internship	
		Elective for Minor/Elective	3
		Elective	3
		Total	15

e r ri

MCOM		Elective	3
MCOM		Elective	3
MCOM		Elective	3
		or	
MCOM	398	Campus Media Internship	
		or	
MCOM	498	Field Media Internship	
		Elective for Minor/Elective	3
		Elective	3
		Total	15

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The Television Production Certificate Program is recommended for students desiring a professional/practical-based curriculum to complement their major course of study. It is also re

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Darren Bly, Assistant Professor of Physics
Gregory Hall, Room 211, (540) 678-4477

The Mathematics Program at Shenandoah is designed to offer students a fundamental background in mathematics within a strong liberal arts environment. A student who majors in mathematics may prepare for a position in business, government, industry or teaching where there is growing demand at all levels. Students may also prepare to continue their study of mathematics at the graduate level.

— courses required — r e

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MATH	207	Intro to Statistics (Gen Ed Domain 3)	3
MATH	302	Multivariable Calculus	3
	or		
MATH	370	Numerical Analysis	
	or		
MATH	403	Intro to Modern Algebra	
PHYS	121	General Physics I (Gen Ed Domain 4)	4
		Gen Ed Domain 5/Elective	3
		Gen Ed Domain	3
		Total	16

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MATH	208	Advanced Statistics	3
	or		
MATH	310	Using Technology in Math Education	
	or		
MATH	365	History of Mathematics	
MATH	405	Geometry	3
	or		
MATH	325	Discrete Math	
PHYS	122	General Physics II (Gen Ed Domain 4)	4
		Gen Ed Domain 5/Elective	3
		Gen Ed Domain	3
		Total	16

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MATH	302	Multivariable Calculus	3
	or		
MATH	370	Numerical Analysis	3
	or		
MATH	403	Intro to Modern Algebra	3
	or		
MATH	475	Research Seminar	2
MATH	206	Linear Algebra	3
	or		
MATH	341	Elementary Theory of Numbers	
	or		
MATH	442	Functions of a Complex Variable	
		Elective	3
		Elective	3
		Gen Ed Domain	3
		Total	14-15

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MATH	405	Geometry	3
	or		
MATH	325	Discrete Math	
MATH	208	Advanced Statistics	3
	or		
MATH	310	Using Technology in Math Education	
	or		

MATH	351	Differential Equations	
	or		
MATH	365	History of Mathematics	
	or		
MATH	432	Real Analysis	
		Elective	3
		Elective	3
		Gen Ed Domain	3
		Total	15
e r			
MATH	302	Multivariable Calculus	3
	or		
MATH	370	Numerical Analysis	
	or		
MATH	403	Intro to Modern Algebra	
	or		
MATH	475	Research Seminar	2
MATH	206	Linear Algebra	3
	or		
MATH	341	Elementary Theory of Numbers	
	or		
MATH	442	Functions of a Complex Variable	
	or		
		Elective	
		Elective	3
		Elective	3
		Elective	3
		Total	14-15
e r r i			
MATH	310	Using Technology in Math Education	3
	or		
MATH	351	Differential Equations	
	or		
MATH	365	History of Mathematics	
	or		
MATH	432	Real Analysis	
	or		
		Elective	
		Elective	3
		Elective	3
		Elective	3
		Total	12
— courses required			
Course		Title	Credit Hours
MATH	201	Calculus and Analytic Geometry I	5
MATH	202	Calculus and Analytic Geometry II	5
MATH	207	Introduction to Statistics	3
		Mathematics electives at or above the 200 level	9
		Total	22

si s L r

Darren Bly, Assistant Professor of Physics
 Gregory Hall, Room 211, (540) 678-4477

Physics provides a framework for understanding the fundamental nature of the universe from a scientific basis. The minor in physics, which incorporates study of all the major areas of contemporary physics, equips the student with the rudiments of the physicist's perspective.

Either the algebra-based (PHYS 111 and PHYS 112) or calculus-based (PHYS 121 and PHYS 122) introductory sequence may be used in partial fulfillment of the minor requirements.

ourses re uired r e si s L r

Course	Title	Credit Hours
MATH 201	Calculus and Analytic Geometry I	5
MATH 202	Calculus and Analytic Geometry II	5
PHYS 121	General Physics I	4
or		
PHYS 111	College Physics I	
PHYS 122	General Physics II	4
or		
PHYS 112	College Physics II	
PHYS 221	Modern Physics	3
PHYS 331	Mathematical Methods in the Physical Sciences	3
or		
PHYS 201	Introduction to Microcomputers	4
	Total	24-25

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William Shendow, Professor of Public Administration/Political Science
Davis Hall, Room 208, (540) 665-4697

The aim of the study of Political Science is to understand the way in which, for a society, policy is formulated and executed, and to understand the moral and legal authority by which policy is or ought to be set. The center of interest for this program is the study of power, government institutions, bureaucracy, and the state of human relations in their political context, both domestically and internationally. Emphasis is placed on enhancing the student's overall comprehension of democracy and the administration of government so that he or she can become an effective citizen, and appropriately consider career options in political science related fields.

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ES	319	Environmental Policy and Programs	3
SOC	350	Research Methods for the Social Sciences	3
		Other courses may be taken that are not on this list with the consent of the Advisor	
		Total elective hours required	21
		Total hours required for the major	39

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FYS	101	Going Global (Gen Ed Domain 7)	3
ENG	101	Composition (Gen Ed Domain 1)	3
		Foreign Language (Arts & Sciences requirement)	3
MCOM	150	Principles of Public Speaking (Gen Ed Domain 1)	3
PSCI	101	Intro to Political Science	3
		Total	15

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		Foreign Language (Arts & Sciences requirement)	3
ENG	102	Intro to Literature (Gen Ed Domain 2)	3
		Gen Ed Domain 6	3
		or	
PSCI	201	American Government	3
MATH	207	Intro to Statistics (Gen Ed Domain 3)	3
PSCI	102	Intro to Public Administration	3
		Total	15

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		Foreign Language (Arts & Sciences requirement)	3
		Gen Ed Domain 4	3-4
		Gen Ed Domain 5	3
PSCI	204	Intro to International Politics	3
		Elective for minor	3
		Total	15-16

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		Foreign Language (Arts & Sciences requirement)	3
		Gen Ed Domain 4	3
		Gen Ed Domain 5	3
		Gen Ed Domain 6	3
		Gen Ed Domain 7	3
		Gen Ed Domain 8	3
		Gen Ed Domain 9	3
		Gen Ed Domain 10	3
		Gen Ed Domain 11	3
		Gen Ed Domain 12	3
		Gen Ed Domain 13	3
		Gen Ed Domain 14	3
		Gen Ed Domain 15	3
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		Gen Ed Domain 93	3
		Gen Ed Domain 94	3
		Gen Ed Domain 95	3
		Gen Ed Domain 96	3
		Gen Ed Domain 97	3
		Gen Ed Domain 98	3
		Gen Ed Domain 99	3
		Gen Ed Domain 100	3

International

Required		
PSCI		Elective 3
PSCI		Elective 3
		Elective for minor 3
		Elective for minor 3
		Elective for minor 3
		Total 15

Elective		
PSCI	401	Research Studies in Political Science
	or	
PSCI	402	Internship 3
PSCI		Elective 3
		Elective for minor 3
		Elective for minor 3
		Elective for minor 3
		Total 15

Required		
PSCI		Elective 3
		Elective for minor 3
		Elective for minor 3
		Elective for minor 3
		Elective 3
		Total 15

Courses required for the degree			Credit Hours
Course		Title	
PSCI	101	Introduction to Political Science	3
PSCI	102	Introduction to Public Administration	3
PSCI	201	American Government	3
PSCI	204	Introduction to International Politics	3
		Two other PSCI courses at the 300 or 400 level	6
		Total	18

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PSY	Elective	3
or	Elective	3
	Elective	3
	Elective	3
	Elective	3
	Elective	1-3
	Total	13-15

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ENG	101	Composition (Gen Ed Domain 1)	3
FYS	101	Going Global (Gen Ed Domain 7)	3
		Foreign Language (Arts & Sciences requirement)	3
BIO	121	General Biology I	4
		Total	16

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PSY	220	Child Development	3
MATH	207	Intro to Statistics (Gen Ed Domain 3)	3
		Gen Ed Domain 2	3
		Foreign Language (Arts & Sciences requirement)	3
BIO	122	General Biology II	4
		Total	16

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PSY		Requirement or Elective	3
BIO	395	Topics in Biology: Medical Terminology	3
BIO	231	Human Anatomy and Physiology I (Gen Ed Domain 4)	4
SOC	101	Intro to Sociology (Gen Ed Domain 6)	3
		Gen Ed Domain 5	3
		Total	16

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PSY	360	Biopsychology	
		or	
PSY		Elective	3
PSY		Requirement or Elective	3
PSY		Requirement or Elective	3
BIO	232	Human Anatomy and Physiology II (Gen Ed Domain 4)	4
SOC		Elective (200 level or above)	3
		Total	16

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PSY	480	Advanced Data Analysis	3
PSY		Requirement or Elective	3
PSY		Requirement or Elective	3
		Gen Ed Domain	3
		Gen Ed Domain/Elective	3
		Total	15

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PSY	360	Biopsychology	3
		or	
PSY		Elective	3
PSY	308	Experimental Methods in Psychology	3
		Elective	3
		Elective	3
		Elective	3
		Total	15

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Religion

Barry Penn-Hollar, Professor of Religion and Philosophy
Goodson Chapel, Room 9, (540) 665-5467

The Religion major provides students with a comprehensive understanding of the religious traditions of the world with a particular emphasis on the Christian tradition. It enables students to think clearly and critically about religious ideas. Through the comparative study of philosophy, sacred texts, religious history, spirituality, theology and ethics, students learn to think across disciplines and cultures. The major provides a rich encounter with the liberal arts and prepares students for the graduate study of religion. Along with the JustFaith Leadership Certificate Program, the Religion major prepares students for seminary and for leadership in the 21st century church.

Required Courses

Course	Title	Credit Hours
REL 202	World Religions	3

One of the following courses must be completed with a grade of C- or better:

		Elective	3
		Total	15
2 d e r r i			
		Gen Ed Domain 6	3
		Gen Ed Domain 3	3
REL		Elective (100 or 200 level course)	3
	or		
REL	211	Intro to the New Testament	
		Elective	3
		Elective	3
		Total	15
r d e r			
REL		Elective (300 level course)	3
REL		Elective (300 level course)	3
		Gen Ed Domain	3
		Elective	3
		Elective	3
		Total	15
r d e r r i			
REL		Elective (300 level course)	3
		Elective	3
		Elective	3
		Elective	3
		Elective	3
		Total	15
e r			
REL		Elective (300 level course)	3
REL		Elective (300 level course)	3
		Elective	3
		Elective	3
		Elective	3
		Total	15
e r r i			
		Elective	3
		Elective	3
		Elective	3
		Elective	3
		Elective	3
		Total	15

SOC	315	Gender Issues
SOC	330	Sociology of Education
SOC	332	Medical Sociology
SOC	334	Childhood and Society
SOC	336	Political Sociology
SOC	395	Topics in Sociology
SOC	415	Sociology of Religion
SOC	421	American Society

		Elective for minor	3
		Elective for minor	3
		Elective for minor	3
		Total	12-15
rd e r ri			
SOC	334	Childhood and Society	3
	or		
SOC	336	Political Sociology	
SOC	395	Topics	3
SOC	310	Community Service	1
		Elective for minor	3
		Elective for minor	3
		Elective for minor	3
		Total	16
e r			
SOC	421	American Society and the Media	3-6
	and/or		
SOC	431	Social Movements and Extremism	
	and/or		
SOC	451	Violence and Victims	
		Elective for minor	3
		Elective for minor	3
		Elective for minor	3
		Elective for minor	3
		Total	15-18
e r ri			
SOC	332	Medical Sociology	3
SOC	441	Deviant Behavior	3
	or		
SOC	415	Sociology of Religion	
SOC	475	Senior Seminar	3
		Elective for minor	3-4
		Total	12-13

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Bryan Pearce-

Spanish courses	6
Total	21

**It is recommended that certificate students take at least one credit of internship each semester beginning*

rd e r	ri		
SPAN	391	Internship in Spanish	1
SPAN	311	Spanish Civilization and Culture	3
SPAN		Elective	3
		Elective	3
		Elective	3
		Elective	3
		Total	16

e r			
SPAN	391	Internship in Spanish	1
SPAN	330	Intro to Spanish Linguistics	3
SPAN		Elective	3
		Elective	3
		Elective	3
		Elective	3
		Total	16

e r	ri		
SPAN	391	Internship in Spanish	1
SPAN	430	Senior Seminar	3
SPAN	325	Survey of Latin American Literature	3
		Elective	3
		Elective	3
		Total	13

ourses e uired r e is L r

The minor in Spanish is for students preparing to integrate language skills and Hispanic studies into their chosen careers. The program includes courses designed to help students develop their skills in speaking, listening comprehension, reading and writing. Students will gain an understanding of Hispanic culture in Spain and Latin America, as well as in the United States. A distinguishing feature of the program is the requirement that all majors do internships working among Hispanics in the Winchester-Frederick County community.

Course	Title	Credit Hours
SPAN 301	Spanish Conversation	
or		
SPAN 411	Advanced Oral Spanish	3
SPAN 302	Spanish Composition	
or		
SPAN 412	Advanced Written Spanish	3
	Three electives from other courses at the SPAN 300/400 level	9
	Internships* (SPAN 391, 392 or 393)	4
	Total	19

*It is recommended that students take at least one credit of internship each semester beginning with the junior year.

University of
B.A. Degree:
Calvin Allengr

4. A proposed degree plan that describes the student's academic and professional goals and lists the courses to be taken to fulfill those goals. This proposal must be reviewed and approved by a faculty committee, representing the appropriate disciplines and the dean of the College of Ar

EDU	221	Child Development Lab	1
EDU	322	Creative Arts	2
EDU	324	Language Arts	6
EDU	336	Reasoning Skill – Science	3
EDU	337	Reasoning Skill – Math	3
EDU	345	Methods and Management in Elementary/Middle School Classroom	3
EDU	346	Methods and Assessment in Elementary/Middle School Classroom	3
RDG	424	The Diagnostic Teaching of Reading	3
RDG	425	Reading and Writing in the Content Area	3
Pass Praxis II requirement before student teaching			
EDU	461	Student Teaching in the Elementary School	9
Subtotal			45
Degree totals*			122-132

*Depending on language required.

Elementary and Middle School Studies Degree

This program is designed to provide state licensure for PK-6 and 6-8. Licensure at the middle school level (6-8) requires a minimum of 21 hours in two areas of concentration. This program provides the first concentration in history/social science. The student must select one additional concentration from English, mathematics or science by adding an additional six hours in one area.

Course	Title	Credit Hours	
ENG	101	Composition	3
ENG	102	Introduction to Literature	3
ENG	210	Modern Grammar	3
		Literature Elective	3
MCOM	150	Principles of Public Speaking	3
MATH	101	Precalculus I	3
MATH	102	Precalculus II	3
MATH	207	Introduction to Statistics	3
MTH	335	Mathematics for Elementary and Middle School Teachers I	3
MTH	336	Mathematics for Elementary and Middle School Teachers II	3
HIST	101	World Civilizations I	3
HIST	102	World Civilizations II	3
HIST	103	United States History I	3
HIST	104	United States History II	3
HIST	350	Virginia History	3
HIST	371	Modern European History	3
	or		
HIST	381	British History	
HIST	391	Asian History	3
	or		
HIST	395	Topics in History (Non-Western)	
PHYS	105	Physical Universe	4
CHEM	105	Chemistry and Society	4
BIO	105	The Natural World	4
		Science/mathematics/chemistry*—a-	

University of Idaho
Office of Professional Licensure
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Professional Studies Requirements

Karen Huff, Professor of Education
 Henkel Hall, Room 204A, (540) 665-4549

These programs contain the professional studies required by the Virginia Department of Licensure Regulations for elementary and middle school teachers. Students who have completed a major in a liberal arts field (or equivalent) and completed the professional education courses listed below in addition to specific general studies requirements, may qualify for licensure in the areas of PK-6 and/or 6-8 grade levels.

Course	Title	Credit Hours
PSY 220	Child Development	3
EDU 221	Child Development Lab	1
EDU 301	Orientation to Teaching	3
MCM 270	Practicum in Instructional Technology and Media	3
EDU 322	Creative Arts	2
EDU 324	Language Arts	6
EDU 336	Reasoning Skills I: Science	3
EDU 337	Reasoning Skills II: Mathematics	3
EDU 345	Methods and Management in Elementary/Middle Schools	3
EDU 346	Methods and Assessments in Elementary/Middle Schools	3
RDG 424	The Diagnostic Teaching of Reading	3
RDG 425	Reading and Writing in the Content Area	3
Pass PRAXIS II requirement before student teaching		
EDU 461	Student Teaching in the Elementary and Middle School	9
Total		45*

* Teacher endorsement area requirements may be satisfied through transcript analysis by the Education department faculty. The outcome of this analysis may be possible recommendations for supplementary course work in order for students to achieve compliance with Virginia Department of Education regulations.

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Mary E. Bowser, Professor of Education

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Women's Studies Minor

Amy Sarch Schopick, Director of General Education
Henkel Hall, Room 218, (540) 542-6534

The Women's Studies program at Shenandoah University offers students an interdisciplinary minor that crosses traditional

HARRY F. BYRD, JR. SCHOOL OF BUSINESS

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The mission of the Harry Fg

Learning Objectives

The learning goals for the BBA program are driven by the business school's mission statement, which is to “educate its students to become successful, principled leaders with a global perspective.” It includes the following concepts:

1. Successful: to be able to make and communicate effective decisions.
 - a. To be able to identify the objectives and constraints in making a decision. [Knowledge]
 - b. To be able to interpret causes and potential effects of elements pertaining to a decision in order to identify key decision drivers. [Understanding]
 - c. To be able to gather, validate, structure and communicate information in support of decision making. [Application]
2. Principled: to be able to act ethically.
 - a. To be able to define and distinguish among the philosophical theories that represent the principles of ethical decision making. [Knowledge]
 - b. To be able to understand concepts associated with business ethics and the impact of business ethics on corporate governance. [Comprehension]
 - c. To be able to apply ethical foundations and issues to the role of business professionals in corporate, partnership and/or small business settings using a case study approach. [Application, Analysis, Synthesis]
3. Leaders: to be able to demonstrate leadership qualities.
 - a. To recognize and comprehend common leadership models. [Knowledge, Comprehension]

Individualized Business Administration

The undergraduate degree program in business administration is called the iBBA. As an *individualized* program of study in business administration, students do not select a predetermined major, but rather are able to design a series of courses corresponding to individual interests, goals, and career aspirations. This individualized program may consist of up to 24 semester hours, providing the student the flexibility needed to pursue career and life goals.

The individualized nature of the program provides the student with a faculty mentor. If the student has a specific interest in a business specialty area (e.g., marketing, management, accounting, finance, information technology or global business), the mentor will be from that discipline and will be available to advise and counsel the student on an appropriate program of study to meet individual career aspirations within the multi-faceted business environment. Students wishing to build a program of study outside the Byrd School may do that as well by working with the faculty mentor.

Undergraduate Requirements

General Education Courses	30 hours
Non-Business Elective Courses	24 hours
Business Core Courses	42 hours
iBBA Supporting Business Electives	24 hours
Total	120 hours

General Education Requirements

General Education Requirements

Students must conform to the general education requirements of the university that specify course work over seven domains of knowledge. The following general education courses will be taken:

Minor in Business Administration

The minor in Business Administration consists of a sequence of six required courses designed to provide the foundation courses for the degree-seeking student desiring a business supplement to a non-business degree program. In addition to providing a general knowledge of business practices and terminology, this program prepares a student to take additional business courses either at the undergraduate or graduate level. Faculty members from the Harry F. Byrd, Jr. School of Business are available to advise students about career opportunities and

	or	
BA	330	Introduction to Finance
BA	360	Introduction to Marketing
BA	393	Small Business Management and Entrepreneurship
BA	498	Business Internship

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Major	Requirement	Electives
BA	490	Business Policy and Strategy iBBA Elective iBBA Elective iBBA Elective Non-Business Elective

Explanation of Notes:

¹BA 103 and BA 112 are suggested iBBA elective courses for freshmen. A student can instead take other (higher level) iBBA electives in his/her junior or senior year. Those who are interested in accounting should consult with their advisor prior to their registration for their first semester.

²ENG 102 is suggested in General Education Domain 2. A student can instead take another course in the same domain.

SHENANDOAH CONSERVATORY

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Inst

Accompanying Ensemble

All piano performance and accompanying students are placed in the Accompanying Ensemble. Students are grouped within the ensemble and assigned accompanying responsibilities as auditioned by the director.

Participation in the Accompanying Ensemble is normally limited to the majors listed above. Students in other curricula are considered on an individual basis.

Dance Ensembles

Dance majors are placed in ensembles as auditioned by the dance faculty. Participation is normally limited to dance majors. Students in other curricula are considered on an individual basis by audition.

Major Production and Involvement

Definition of Terms:

“Major production” includes (and is limited to) the following theatre division productions each academic year: Mainstage and Second Stage.

“Involvement” in a production includes any artistic or technical involvement — cast member, directing or assistant directing, stage management and design or technical assistance in set, lighting or costuming.

Students enrolled in theatre curricula are required to participate in a major production and have involvement in a production.

Although participation in theatre productions is normally limited to theatre majors, auditions for all productions are open to non-theatre majors. Students may express role preferences at the time of audition, but the audition is a commitment to participate as cast, and all who audition must accept the roles in which they are cast.

Any involvement in an "outside production" must not conflict with the student's responsibilities at Shenandoah. Matriculation as a theatre major implies a contract for commitment to complete the degree and fully meet all of its requirements. All Shenandoah classes, rehearsals and performances take precedence over outside work.

Additional performing opportunities are available in projects directed by students enrolled in directing classes. Limits on participation in such projects are as follows:

- In each semester, a theatre major not involved in any major production or ensemble, or involved in one major production or ensemble may in addition elect to be involved in one minor production or ensemble.

provided by each division of the Conservatory, and may be obtained from the individual in

The screening jury determines

Curriculum Requirements

The following curriculum requirements are stated in terms of minimum requirements for graduation. Additional courses may be elected in any semester in accordance with regulations concerning student load. Course substitutions are possible only when approved by the associate dean for undergraduate studies.

Advanced Placement Credits

The Conservatory accepts advanced placement credits in music credits according to the following guidelines:

Music Theory: A score of 4 or 5 enables the student to take the final examination for MUTC 101, Introduction to Music Theory. If a minimum score of 90 percent is achieved, transfer credit for MUTC 101 will be awarded and the student may advance to MUTC 102, Diatonic Harmony and Simple Forms.

Additional information regarding advanced placement credits can be found in the [Conservatory Handbook](#).

Arts Studies

Philip Sargent, Associate Professor of Music
Ruebush Hall, Room 237, (540) 665-4546, psargent@su.edu

The Bachelor of Arts in Arts Studies degree is an interdisciplinary curriculum designed for the student who has an interest in a broad-based general education with an academic emphasis in the arts. The course of study includes a core of liberal arts courses, a major founded in music, theatre, dance and art, and an elective component for which students are given considerable latitude in course selection. A performance audition is not required for admission to this curriculum.

Requirements

Students completing the Bachelor of Arts in Arts Studies will be able to:

- explore the arts including study of music, theatre, visual art and dance;
- demonstrate knowledge of at least one foreign language;
- demonstrate knowledge of historical and philosophical foundations of the arts;
- demonstrate the ability to express ideas orally and in writing; and
- attend a variety of public performances and events.

Course Title Credit Hours

Art from the following:

9

ARTB00 Art Apprec (Domain B)
ARTK00 Art History
ARTM00 Music Theory*+
ARTP00 Art Performance
ARTS00 Art Studio Forms*

TH	354	History of Costume 2	
TH	355	American Musical Theatre 1 (also listed as MULT 355)	
TH	356	American Musical Theatre 2 (also listed as MULT 356)	
ENG	361	Studies in Drama: Comic Drama (Domain 2)	
ENG	362	Studies in Drama: Modern Continental Drama	
ENG	363	Studies in Drama: Shakespeare (Domain 2)	
ENG	364	Studies in Drama: Restoration/Eighteenth-Century Drama	
ENG	365	Studies in Drama: Modern American Drama	
ENG	366	Studies in Drama: Major Trends in Contemporary Drama	
Dance electives chosen from the following:			9
DA	141	Dance Improvisation	
DA	191	Pilates Mat	
DA	261	Creative Movement for Children	
DA	351	Dance Production 1	
DA	352	Dance Production 2	
DA	471	History and Philosophy of Dance 1	
DA	472	History and Philosophy of Dance 2	
DAPE	152	Contact Improvisation and Partnering	
AS	499	Senior Comprehensive Study	3
PRF	101	Performance Forum (five successful completions)	2.5
PRF	201	Health Issues for Artists	.5
ENG	101	Composition (Domain 1)	3
ENG	102	Composition and Literature (Domain 2)	3
HIST	101	World Civilization 1 (Domain 7)	3
HIST	102	World Civilization 2 (Domain 7)	3
		Foreign Language electives (Domain 7)	12
		(select from any language that is both written and spoken)	
MCOM	150	Principles of Public Speaking (Domain 1)	3
		Quantitative Literacy elective (Domain 3)	6
		Scientific Literacy elective (Domain 4)	8
		Moral Reasoning elective (Domain 5)	3
		The Individual in Society elective (Domain 6)	6
FYS	101	Going Global: First-Year Seminar (Domain 7)	3
		Open electives (not to include skill-based or performance instruction)	8
		Arts electives	17
		(Select from music courses with MU** prefixes, theatre courses with TH prefixes, dance courses with DA prefixes, art courses with ART prefixes, or drama courses with ENG prefixes.) Not to include skill-based or performance instruction beyond a maximum of six credits of ensemble or production.	
		Total	120

*Minimum grade of "C" required.

+Upon completion of MUTC 101, students must remain continuously registered for fall and spring semester until the sequence of MUTC 101 and MUTC 102 is completed.

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Consult with advisor to select appropriate electives.

Elective credits must bring degree total to minimum of 120 credits.

Elective credits may be used to fulfill general education requirements. Note that some credits required for the major will also complete general education requirements.

Elective credits applied to degree requirements may not include performance- or skill-based instruction unless specifically so designated on the list of courses.

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DA	444	Senior Concert and Seminar 2	1
DA	471	History and Philosophy of Dance 1	3
DA	472	History and Philosophy of Dance 2	3
DA	498	Culminating Project (two successful completions)	2
DA		Dance electives	3
DAPE	135	Tap 1	1
PRF	101	Performance Forum (five successful completions)	2.5
PRF	201	Health Issues for Artists	.5
MULT	275	Survey of Western Music	3
		Foreign Language electives (Domain 7)	6
		Theatre History elective	3
MCOM	150	Principles of Public Speakingipl	

Undergraduate

Mark Kittlaus, Associate Professor of Theatre
 Ruebush Hall, Room 127-C, (540) 545-7286, mkittlau@su.edu

The Bachelor of Fine Arts in Acting curriculum is designed for the talented actor who wishes to prepare for a professional career in theatre. The curriculum provides a balance of theatre studies with opportunities for practical experience as well as a strong base of liberal arts studies which will enable students to think critically, perform creatively and communicate effectively both as theatre professionals and as members of a diverse society.

Requirements

Students completing the Bachelor of Fine Arts in Acting will be able to:

- demonstrate a variety of acting and improvisation techniques;
- perform a variety of repertoire;
- perform in a variety of settings;
- demonstrate knowledge of theatre history and musical theatre history;
- explore other artistic disciplines within the field of theatre;
- demonstrate the ability to express ideas orally and in writing; and
- attend a variety of public performances and events.

Undergraduate Course Catalog

Course	Title	Credit Hours
TH 101	Basic Acting	3*
TH 102	Acting Techniques	3*
TH 108	Improvisation	1
TH 111	Stage Lighting 1	3
TH 112	Stage Craft	3
TH 131	Stage Costuming	3
TH 141	Theatrical Stage Make-up	3
TH 149	Foundations of General American Speech	3
TH 201	Scene Study 1	3
TH 202	Scene Study 2	3

TH	356	American Musical Theatre 2	
TH	399	Theatre Production (minimum of four successful completions.)	4
		Students in the Bachelor of Fine Arts in Acting curriculum are required to audition for all non-musical productions and may audition for musical productions, and must accept the role(s) in which they are cast.	
TH	450	Senior Showcase	2
		English, Theatre or Art electives	6
		Theatre Performance electives	6
		Dance Technique electives	4
ENG	101	Composition (Domain 1)	3
		Quantitative Literacy elective (Domain 3)	3
		Scientific Literacy elective (Domain 4)	3
		Moral Reasoning elective (Domain 5)	3
		The Individual in Society elective (Domain 6)	3
FYS	101	Going Global: First-Year Seminar (Domain 7)	3
		Open electives	19
		Total	120

*Minimum grade of "C" is required.

Electives

Consult with advisor to select appropriate electives.

Elective credits must be  1

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Cheryl Yancey, Associate Professor of Theatre
Ruebush Hall, Room 127-B, (540) 545-7247, cyancey@su.edu

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The Bachelor of Fine Arts in Costume Design curriculum is designed for the talented designer who wishes to prepare for a professional career in theatre. The

Erica Helm

Erica Helm, Associate Professor of Dance
Shingleton Hall, Room 26, (540) 665-4647, ehelm@su.edu

The Bachelor of Fine Arts in Dance curriculum is designed to prepare both the student seeking a career in dance as a performing artist as well as the student seeking a career as a teacher/choreographer in a private studio setting.

Learning Objectives

Students completing the Bachelor of Fine Arts in Dance will be able to:

- demonstrate dance technique in solo and ensemble performance;
- perform a variety of repertoire;
- perform in a variety of settings;
- demonstrate the

Erica Helm, Associate Professor of Dance

Shingleton, Room 26, (540) 665-4647, ehelm@su.edu

The Bachelor of Fine Arts in Dance Education curriculum is designed for the student seeking a career as a dance teacher in the public school setting and licensure by a state department of public instruction. It is also appropriate for the student who plans to teach dance in the private studio setting or pursue graduate level studies in fields related to dance or dance education. The dance education curriculum provides development of technical, performance and choreographic skills and is the only dance curriculum that provides all of the courses in dance teaching techniques, education and liberal arts necessary for licensure in Virginia. Graduates who are licensed in Virginia may obtain licensure in other states through reciprocity. The purpose of the Bachelor of Fine Arts in Dance Education program is to provide professional preparation and educational experiences that culminate in directed teaching and the awarding of the baccalaureate degree. The curriculum is designed to develop the dancer and educator in the distinctive Conservatory setting while meeting the standards for teacher licensure established by the Commonwealth of Virginia.

All initial licensure teacher education programs at Shenandoah University require that 1) the PRAXIS I exam must be taken before admission to candidacy in teacher education programs, and 2) the PRAXIS II exam must be taken in the student's last year prior to graduation. There is no PRAXIS II exam for Dance K-12 licensure.

Directed Teaching in Dance

Directed Teaching in Dance is required during the final semester of the Bachelor of Fine Arts in Dance Education curriculum. Students who wish to pursue Directed Teaching in Dance must apply through their advisor during the semester preceding the anticipated directed teaching experience. To be accepted for directed teaching, the student must have a cumulative grade point average of 2.5. In addition, all courses that are prerequisite to directed teaching (see degree requirements) must be passed with a minimum grade of "C" or repeated until a grade of "C" has been earned. The content of this document is for informational purposes only and is not intended to be used as a contract. The University reserves the right to change the content of this document without notice.

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- demonstrate knowledge of philosophical, historical, artistic and scientific foundations for dance;
 - demonstrate thZByi*—J•KSRéyo*RPZU

DAPE	136	Tap 2	1
DAPE	393	Social Dance Styles	1
DAED	332	Foundations for Dance Education	2*+
DAED	333	Field Experience 1	1*+
DAED	334	Field Experience 2	1*+
DAED	421	Directed Teaching in the Elementary School	4
DAED	422	Directed Teaching in the Secondary School	4
EDU	425	Reading and Writing in the Content Area	3
PRF	101	Performance Forum (five successful completions)	2.5
PRF	201	Health Issues for Artists	.5
ART	200	Art Appreciation (Domain 2)	3
MULT	275	Survey of Western Music	3
KIN	280	Care and Treatment of Athletic Injuries	3
PSY	101	General Psychology (Domain 6)	3
PSY	220	Child Development	3
TH	111	Stage Lighting 1	3
TH	131	Stage Costuming	3
ENG	101	Composition (Domain 1)	3
		Quantitati	

Jonathan Flom, Assistant

University of Idaho

William Pierson, Associate Professor of Theatre
Ruebush Hall, Room 122, (540) 665-4534, wpierson@su.edu

The Bachelor of Fine Arts in Scenic and Lighting Design curriculum is designed for the talented designer who wishes to prepare for a professional career in theatre. The curriculum provides a balance of theatre studies with opportunities for practical experience.

Prerequisites

Students completing the Bachelor of Fine Arts in Scenic and Lighting Design will be able to:

- demonstrated Bachelor

		Bachelor of Fine Arts in Scenic and Lighting Design curriculum students must participate in productions as assigned.	
TH	413	Scenic Art	3
TH	498	Senior Technical Theatre Thesis (two successful completions)	6
		English, Theatre, Music or Art electives	9
		Dance Techniqs	

University of
Wade Fransen, Assistant Professor of Theatre
Ruebush Hall, Room 118, (540) 545-7309, wfransen@su.edu

The Bachelor of Fine Arts in Theatre for Youth curriculum is designed to provide

TH	302	Period Acting Styles 2	3
TH	307	Directing	3*
TH	340	Movement for the Actor	2
TH	351	History of Theatre 1	3
TH	352	History of Theatre 2	3
TH	399	Theatre Production (minimum of four successful completions)	4

Students in the Bachelor of Fine Arts in Theatre for Youth curriculum are required to audition for all non-musical theatre productions, may audition for musical productions, and must accept the role(s) in which

William Ingham, Associate Professor of Theatre
 Ruebush Hall, Room 152, (540) 545-7233, wingham@su.edu

The Bachelor of Fine Arts in Theatre Stage Management curriculum is designed for the student who wishes to prepare for a professional career in theatrical stage management. The curriculum provides a balance of theatre studies with opportunities for practical experience.

Learning Objectives

Students completing the Bachelor of Fine Arts in Theatre Stage Management will be able to:

- demonstrate the ability to stage manage productions in various genres, including musical theatre, plays, opera and dance;
- employ technology in the creation of support materials for stage management;
- demonstrate knowledge of theatre history;
- explore other disciplines within the field of theatre;
- demonstrate the ability to express ideas orally and in writing; and
- attend a variety of public performances and events.

Course Requirements, Electives, and Credits

Course	Title	Credit Hours
TH 101	Basic Acting	3
TH 102	Acting Techniques	3*
TH 111	Stage Lighting 1	3*
TH 112	Stage Craft	3*
TH 131	Stage Costuming	3*
TH 141	Theatrical Stage Make-up	3
TH 207	Stage Management 1	3*
TH 208	Script Analysis	3
TH 211	Lighting Design	3
TH 213	Theatre Drawing	3
TH 215	Scenic Design	3
TH 217	Fundamentals of Theatre Drafting	3
TH 221	Stage Properties	3*
TH 231	Costume Design 1	3*
TH 307	Directing	3*
TH 310	Stage Management 2	3*
TH 351	History of Theatre 1	3
TH 352	History of Theatre 2	3
TH 353	History of Costume 1	3
or		
TH 354	History of Costume 2	
TH 355	American Musical Theatre 1	3
TH 356	American Musical Theatre 2	3

TH	399	Theatre Production (minimum of four successful completions) Students in the Bachelor of Fine Arts in Theatre Stage Management curriculum must participate in productions as assigned.	4*
TH	490	Stage Management Internship 1	3*
TH	491	Stage Management Internship 2	3*
		Art or Theatre electives	3
		Art or English electives	5
		Dance electives	2
		Business or Arts Management electives	9
ENG	101	Composition (Domain 1)	3
		Quantitative Literacy elective (Domain 3)	3
		Scientific Literacy elective (Domain 4)	3
		Moral Reasoning elective (Domain 5)	3
		The Individual in Society elective	i

Requirements for the Bachelor of Music in Church Music

Steven Cooksey, Professor of Music
Goodson Chapel, (540) 665-4633, scooksey@su.edu

The Bachelor of Music in Church Music curriculum is designed for students who wish to become full-time church musicians. The student electing this course of study may choose an applied performance major emphasis in organ or voice.

Program Objectives

Students completing the Bachelor of Music in Church Music will be able to:

- demonstrate musicianship in solo and ensemble performance;
- perform a variety of repertoire;
- perform in a variety of settings;
- demonstrate knowledge of repertoire for liturgical settings;
- demonstrate the ability to lead a rehearsal or music component of a church service;
- demonstrate knowledge of music theory, music history, world music, and music technology;
- demonstrate the ability to express ideas orally and in writing; and
- attend a variety of public performances and events.

Course	Prerequisites	Title	Credit Hours
AP**		Applied Major AP** 103-AP** 302 (6 consecutive semesters) (minimum grade of "C" at AP** 203, fourth semester of study)	16
AP**		Applied Piano APPN 101-APPN 201 (4 consecutive semesters) or APCP 105-APCP 206	4
AP**		Applied Secondary Minor (Organ or voice, whichever is not applied major) AP** 101-AP** 201 (4 consecutive semesters)	4
MUCH	331	Church Music 1	3
MUCH	332	Church Music 2	3
MUCH	333	Church Music 3	3
MUCH	334	Church Music 4	3
MUCH	335	Church Music 5	3
MUCH	336	Church Music 6	3
MUCH	407	Church Music Internship	3
MUEN		Ensemble	12
MULT	203	History of Western Music 1	2
MULT	204	History of Western Music 2	2.5
MULT	205	History of Western Music 3	2.5
MULT		World Music elective	1
MULT	402	Oratorio/Choral Literature	3
MUPP	263	Singer's Diction 1 (voice majors only)	2

Recording Systems

Golder O'Neill, Associate Professor of Music
Ruebush Hall, Room 136, (540) 665-5567, goneill@su.edu

The Bachelor of Music in Music Production and Recording Technology curriculum is designed to prepare a student for a career in music production and recording technology production, and includes study in composition and arranging, performance and recording and sound reinforcement techniques.

Requisites

Students completing the Bachelor of Music in Music Production and Recording Technology (classical applied emphasis) will be able to:

- demonstrate musicianship in solo and ensemble performance;
- perform a variety of repertoire;
- perform in a variety of settings;
- demonstrate knowledge of sound recording and sound reinforcement techniques;
- compose and arrange original music;
- lead a rehearsal, class or ensemble;
- demonstrate knowledge of music theory, music history, world music and music technology;
- demonstrate the ability to express ideas orally and in writing; and
- attend a variety of public performances and events.

Course	Title	Credit Hours
AP**	Applied Major AP** 102-AP** 402 (8 consecutive semesters) (minimum grade of "C" at AP** 202, fourth semester of study)	16
AP**	Applied Minor APPN 101-APPN 201 (4 consecutive semesters) or APCP 105-APCP 206 For piano majors: 4 credits in a single classical or jazz instrument	4
MUCO 361	Beginning Choral and Instrumental Conducting	1.5*
MUEN	Ensemble	16
MULT 203	History of Western Music 1	2
MULT 204	History of Western Music 2	2.5
MULT 205	History of Western Music 3	2.5
MULT	World Music elective	1
MUPP 151	Recording Systems: Design and Application 1	2*
MUPP 152	Recording Systems: Design and Application 2	2*
MUPP 162	Recording Systems Studio Time	.5
MUPP 251	Sound Reinforcement	2

MUPP

Recording Technology Degree

Golder O'Neill, Associate Professor of Music
Ruebush Hall, Room 136, (540) 665-5567, goneill@su.edu

The Bachelor of Music in Music Production and Recording Technology curriculum is designed to prepare a student for a career in music production and recording technology production and includes study in composition and arranging, performance and recording and sound reinforcement techniques. The jazz applied option is available in bass, guitar, percussion, piano, saxophone, trombone and trumpet.

Requirements

Students completing the Bachelor of Music in Music Production and Recording Technology (jazz applied emphasis) will be able to:

- demonstrate musicianship in solo and ensemble performance;
- perform a variety of repertoire;
- perform in a variety of settings;
- demonstrate knowledge of sound recording and sound reinforcement techniques;
- demonstrate the ability to improvise, compose and arrange jazz music;
- demonstrate knowledge of jazz music repertoire, history and style;
- lead a rehearsal, class or ensemble;
- demonstrate knowledge of music theory, music history, world music and music technology;
- demonstrate the ability to express ideas orally and in writing; and
- attend a variety of public performances and events.

Course	Title	Credit Hours
AP**	Applied Jazz Major (8 consecutive semesters) (minimum grade of "C" at AP** 201, fourth semester of study)	12
AP**	Applied Classical Major (4 consecutive semesters)	4
AP**	Applied Minor (see specific requirements below)	4
MUCO 361	Beginning Choral and Instrumental Conducting	1.5*
MUEN	Ensemble	12
MULT 203	History of Western Music 1	2
MULT 204	History of Western Music 2	2.5
MULT 205	History of Western Music 3	2.5
MULT 432	Jazz History	2
MULT	World Music elective	1
MUPP 151	Recording Systems: Design and Application 1	2*
MUPP 152	Recording Systems: Design and Application 2	2*
MUPP 162	Recording Systems Studio Time	.5

***The internship follows the completion of all course work, normally during the summer following the final semester of course work.*

+Upon completion of MUTC 101, students must remain continuously registered each fall and spring semester until the sequence of MUTC 101, MUTC 102, MUTC 201 and MUTC 202 are completed.

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Consult with advisor to select appropriate electives.

Elective credits must bring degree total to minimum of 120 credits.

Elective credits may be used to fulfill general education requirements. Note that some credits required for the major will also complete general education requirements.

Elective credits applied to degree requirements may not include performance- or skill-based instruction unless specifically so designated on the list of courses.

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MUCO	363	Choral Conducting	1.5
	or		
MUCO	364	Instrumental Conducting	
MUEN		Ensemble	16
MULT	203	History of Western Music 1	2
MULT	204	History of Western Music 2	2.5
MULT	205	History of Western Music 3	2.5
MULT		World Music Elective	1
MULT	401	Symphonic Literature	3
MULT	402	Oratorio/Choral Literature	3
MUPP	233	Voice Class	1
MUTC	101	Introduction to Music Theory	2* +
MUTC	102	Diatonic Harmony and Simple Forms	3*
MUTC	107	Keyboard Harmony 1 (non-APCP piano minors only)	1
MUTC	108	Keyboard Harmony 2 (non-APCP piano minors only)	1
MUTC	109	Ear Training	2*
MUTC	201	Chromatic Harmony and Compound Forms	3*
MUTC	202	20th Century Theory	2
MUTC	203	Intermediate Aural Skills	1
MUTC	204	Advanced Aural Skills	1
MUTC	205	Intermediate Sightsinging	1
MUTC	206	Advanced Sightsinging	1
MUTC	310	Music Notation	2
MUTC	401	Form and Analysis 1	2
MUTC	402	Form and Analysis 2	2
MUTC	408	16th Century Counterpoint	2
	or		
MUTC	409	18th Century Counterpoint	
MUTC	415	Contemporary Styles	2
MUTC	419	MIDI and Electronic Music	2
MUTC	420	Electronic Music Synthesis	1
MUTC	421	Arranging	2
MUTC	422	Instrumentation	2
		Music elective	2
		(not to include skill-based or performance instruction)	
PRF	101	Performance Forum (five successful completions)	

Jazz Studies

Robert Larson, Associate Professor of Music
Armstrong Hall, 18-E, (540) 665-4557, rlarson@su.edu

The focus of the Jazz Studies program at Shenandoah University is on the preparation of musicians as performers and arrangers in the broad field of contemporary music, which includes jazz, popular, commercial, classical and studio music. Students are also trained in areas of technology, as well as in jazz teaching techniques, in preparation for a career of evolving opportunities. The philosophy of the Shenandoah University Jazz Studies program is grounded in the belief that 21st century artists will work in a variety of settings where performance is a key element of the creative process.

Applied Music Studies

Applied Music Studies - Jazz

Semesters 1 and 2: AP** 101, jazz, 1 credit, plus AP** 101, classical, 1 credit

Semesters 3 and 4: AP** 201, jazz, 1 credit, plus AP** 201, classical, 1 credit

Semesters 5 and 6: AP** 303, jazz, 3 credits

Semesters 7 and 8: AP** 403, jazz, 3 credits

Applied Music Studies - Instrumental Studies

Semesters 1 through 4: APCP 105-APCP 206 or APPN 101-APPN 201, 4 credits,

Semesters 5 and 6: APIK 101, Jazz Piano, 2 credits

Semesters 7 and 8: APIK 201, Jazz Piano, 2 credits

Applied Music Studies - Instrumental Studies

Semesters 1 through 4: APCP 105-APCP 206 or APPN 101-APPN 201, 4 credits,

Semesters 5 and 6: APIK 101, Jazz Piano, 2 credits

Semesters 7 and 8: Applied Jazz or Classical Study, 2 credits
(must be same instrument both semesters)

Applied Music Studies - Instrumental Studies

Semesters 1 and 2: APCP 105-APCP 106 or APPN 101, 2 credits

Semesters 3 and 4: APCL 101, Applied Clarinet, 2 credits

Semesters 5 and 6: APFL 101, Applied Flute, 2 credits

Semesters 7 and 8: APIK 101, Jazz Piano, 2 credits

Applied Music Studies - Instrumental Studies

Semesters 1 and 2: APPD 101, Applied Perf. Dev., 2 credits

Semesters 3 and 4: APPD 201, Applied Perf. Dev., 2 credits

Semesters 5 and 6: APPD 301, Applied Perf. Dev., 2 credits

Semesters 7 and 8: APPD 401, Applied Perf. Dev., 2 credits

Duration required: 2400 minutes (40 hours) for AP** 101, AP** 201, AP** 303, AP** 403, APCP 105-APCP 206, APCP 105-APCP 106, APCL 101, APFL 101, APPD 101, APPD 201, APPD 301, APPD 401, APPN 101-APPN 201, APIK 101, APIK 201, Applied Jazz or Classical Study, Applied Perf. Dev., Jazz Piano, and Applied Clarinet.

Faculty

Stephanie Standerfer, Assistant Professor of Music
Ruebush Hall, Room 224, (540)-535-3469, sstander@su.edu

The Bachelor of Music in Music Education curriculum with a concentration in teacher preparation is intended for the student who plans to teach music in the public schools and who seeks licensure as a qualified music teacher by a state department of public instruction. It is also appropriate for the student whose eventual goal is college teaching in fields related to music education. The music education curriculum provides development of skills in the chosen area of music performance and provides all of the courses in music teaching techniques, education and liberal arts necessary for licensure in Virginia. Graduates who are licensed in Virginia may obtain licensure in other states through reciprocity.

Outcomes

Students completing the Bachelor of Music in Music Education will be able to:

- demonstrate musicianship in solo and ensemble performance;
- demonstrate the ability to write lesson plans and create learning experiences for students

screening interview requirements are not admitted into 300- or 400-level music education (MUED) courses.

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In addition, all courses that are prerequisite to directed teaching (see degree requirements) must be passed with a minimum grade of "C" or repeated until a grade of "C" has been earned. Note university policy provides that a student may attempt a course a maximum of three times. See "Repeating Courses" under Academic Policies in this catalog. The content of each prerequisite course is stated in course syllabi and is evaluated and graded so a grade of "C" certifies the student has mastered the minimum skills necessary to succeed in teaching.

Instrumental concentration students must complete MUED 329 and MUED 330 at Shenandoah University prior to directed teaching. Choral/General concentration students must complete MUED 321, MUED 322, and MUED 323 at Shenandoah University prior to directed teaching. In applied music, the student must complete AP** 302 before undertaking directed teaching. Bachelor's

MULT	204	History of Western Music 2	2.5*
MULT	205	History of Western Music 3	2.5*
MULT		World Music elective	1
MUPP	233	Voice Class	1
MUPP	303	Pedagogy of Jazz Teaching Techniques	1*
MUPP	313	Percussion Teaching Techniques	1*
MUPP	314	String Teaching Techniques	1*
MUPP	316	Woodwind Teaching Techniques 1	1*
MUPP	317	Woodwind Teaching Techniques 2	1*
MUPP	318	Brass Teaching Techniques 1	1*
MUPP	319	Brass Teaching Techniques 2	1*
MUPP	320	Guitar Class 1	1
MUTC	101	Introduction to Music Theory	2*+
MUTC	102	Diatonic Harmony and Simple Forms	3*
MUTC	109	Ear Training	2*
MUTC	201	Chromatic Harmony and Compound Forms	3*
MUTC	202	20th Century Theory	2
MUTC	203	Intermediate Aural Skills	1
MUTC	204	Advanced Aural Skills	1*
MUTC	205	Intermediate Sightsinging	1
MUTC	206	Advanced Sightsinging	1*
MUTC	421	Arranging	2
MUTC	422	Instrumentation	2
PRF	101	Performance Forum (five successful completions)	2.5
PRF	201	Health Issues for Artists	.5
PSY	101	General Psychology (Domain 6)	3
PSY	220	Child Development	3
ENG	101	Composition (Domain 1)	3
		Effective Communication, Oral Communication elective (Domain 1)	3
		Quantitative Literacy elective (Domain 3)	3
		Scientific Literacy elective (Domain 4)	3
		(recommended elective PHYS 103, Acoustics)	
		Moral Reasoning elective (Domain 5)	3
FYS	101	Going Global: First-Year Seminar (Domain 7)	3
		Total	130

*Minimum grade of "C" required as a prerequisite to directed teaching.

+Upon completion of MUTC 101, students must remain continuously registered each fall and spring semester until the sequence of MUTC 101, MUTC 102, MUTC 201 and MUTC 202 are completed.

electives

Consult with advisor to select appropriate electives.

Elective credits must bring degree total to minimum of 120 credits.

Elective credits may be used to fulfill general education requirements. Note that some credits required for the major will also complete general education requirements.

Elective credits applied to degree requirements may not include performance- or skill-based instruction unless specifically so designated on the list of courses.

Applied Studies

Applied Major: 7 semester duration, AP** 102-AP** 402.

Applied Minor (non-piano or organ): 4 semester duration, APCP 105-APCP 206 or APPN 101-APPN 201.

Applied Minor (piano or organ): 4 semester duration, AP** 101-AP** 201 in a single band or orchestral instrument, classical idiom.

se e e ulre e s

14 total credits

Twelve credits of large ensemble earned in six different semesters performing on the major instrument, with ensemble participation every semester of full-time enrollment except during the student teaching semester. Two additional credits of either large or small ensembles are required.

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Course Title Credit Hours

AP** Applied Major 14
 AP** 102-AP** 402 (7 consecutive semesters)
 (minimum grade of "C" at AP** 202, fourth semester of study)

AP** Applied Minor 4
 Applied Piano (if voice major)
 APPN 101-APPN 201 (4 consecutive semesters)
 or APCP 105-APCP 206

or

Applied Voice (if piano major)
 APVO 101-APVO 201 (4 consecutive semesters)

APCP	305	Advanced Piano and Keyboard Harmony Skills	1
APCP	306	Score Reading	1*
APCP	405	Keyboard Skills for Music Educators 1	1
MUCO	361	Beginning Choral and Instrumental Conducting	1.5*
MUCO	363	Choral Conducting	1.5*
MUED	130	Orientation to Music Education	1*
MUED	135	Foundations of Education in Music	2*
MUED	235	Reading and Literacy in Music	2*
MUED	236	Introduction to Curriculum and Assessment in Music Education	2*
MUED	321	Pre-school and Elementary Choral/General Music Methods	3*
MUED	322	Middle School Choral/General Music Methods	3*
MUED	323	High School Choral/General Music Methods	3*
MUED	325	Jazz and Show Choir Methods	1*
MUED	333	Field Experience 1	1*
MUED	334	Field Experience 2	1*
MUED	335	Field Experience 3	1*
MUED	421	Directed Teaching in Elementary Music	5
MUED	422	Directed Teaching in Secondary Music	5
MUED	423	Student Teaching Seminar	2
MUEN		Ensemble	14
MULT	203	History of Western Music 1	2
MULT	204	History of Western Music 2	2.5*
MULT	205	History of Western Music 3	2.5*
MULT		World Music elective	1
MUPP	260	Introduction to Lyric Diction	2
MUPP	304	American Folk and Orff Instruments	1*
MUPP	320	Guitar Class 1	1
MUTC	101	Introduction to Music Theory	1

MUTC	204	Advanced Aural Skills	1*
MUTC	205	Intermediate Sightsinging	1
MUTC	206	Advanced Sightsinging	1*
MUTC	421	Arranging	2
MUTC	422	Instrumentation	2
PRF	101	Performance Forum (five successful completions)	2.5
PRF	201	Health Issues for Artists	.5
PSY	101	General Psychology (Domain 6)	3
PSY	220	Child Development	3
ENG	101	Composition (Domain 1)	3
		Quantitative Literacy elective (Domain 3)	3
		Scientific Literacy elective (Domain 3)	3

1 e r f u s i l u s i e r e l

MUTC	101	Introduction to Music Theory	2*+
MUTC	102	Diatonic Harmony and Simple Forms	3*
MUTC	107	Keyboard Harmony 1	1
MUTC	108	Keyboard Harmony 2	1
MUTC	109	Ear Training	2*
MUTC	201	Chromatic Harmony and Compound Forms	3
MUTC	202	20th Century Theory	2
MUTC	203	Intermediate Aural Skills	1
MUTC	204	Advanced Aural Skills	1
MUTC	205	Intermediate Sightsinging	1
MUTC	206	Advanced diatonic	

Required Core Courses**Required Core Courses**

Semesters 1 and 2: APPN 102, Applied Piano, 2 credits

Semesters 3 and 4: APPN 202, Applied Piano, 2 credits, plus APJK 101, Applied Jazz Piano, 1 credit

Semesters 5 and 6: APAC 302, Applied Accompanying, 2 credits, plus APJK 201, Applied Jazz Piano, 1 credit

Semesters 7 and 8: APAC 402, Applied Accompanying, 2 credits

Required Core Courses

Semesters 1 and 2: APVO 101, 1 credit

Semesters 3 and 4: APVO 201, 1 credit

Senior Recital Requirements

8 total credits

Minimum of eight total credits with ensemble participation every semester of full-time enrollment.

Participation includes serving as accompanist for choral ensembles, jazz ensembles, accompanying ensemble and theatre productions. At least two credits must be earned as accompanist for theatre productions.

MUTC	102	Diatonic Harmony and Simple Forms	3*
MUTC	107	Keyboard Harmony 1 (non-APCP piano minors only)	1
MUTC	108	Keyboard Harmony 2 (non-APCP piano minors only)	1
MUTC	109	Ear Training	2*
MUTC	201	Chromatic Harmony and Compound Forms	3
MUTC	202	20th Century Theory	2
MUTC	203	Intermediate Aural Skills	1
MUTC	204	Advanced Aural Skills	1
MUTC	205	Intermediate Sightsinging	1
MUTC	206	Advanced Sightsinging	1
MUTC	401	Form and Analysis 1	2
MUTC	402	Form and Analysis 2	2
MUTC	408	16th Century Counterpoint	2
	or		
MUTC	409	18th Century Counterpoint	
MUTC		Music Theory elective	2
		Music Electives or Secondary Applied minor (may include content, performance or skill-based instruction)	4
		Music electives (not to include performance or skill-based instruction)	2
PRF	101	Performance Forum (five successful completions)	2.5
PRF	201	Health Issues for Artists	.5
ENG	101	Composition (Domain 1)	3
		Effective Communication, Oral Communication elective (Domain 1)	3
		Quantitative Literacy elective (Domain 3)	3
		Scientific Literacy elective (Domain 4)	3
		Moral Reasoning elective (Domain 5)	3
FYS	101	Going Global: First-Year Seminar (Domain 7)	3
		General education elective (Select from Domains 1, 3, 4, 5, 6 or 7)	3
		Open electives (Not to include performance or skill-based instruction)	2
		Total	120.5
		Total with MUTC 107-MUTC 108	122.5

* Minimum grade of "C" required.

+ Upon completion of MUTC 101, students must remain continu

se e e ulre e s

16 total credits

Twelve credits of large ensemble earned in six different semesters performing on major instrument, with ensemble participation every semester of full-time enrollment required. Four additional credits of either large or small ensembles are required.

Course	Number	Title	Credit Hours
APPN		Applied Piano APPN 103-APPN 403 (8 consecutive semesters) (minimum grade of "C" at APPN 203, fourth semester of study)	24
AP**		Applied Minor AP** 101-AP** 201 (four consecutive semesters in a single classical keyboard instrument)	4
MUCO	361	Beginning Choral and Instrumental Conducting	1.5*
MUEN	323	Accompanying Ensemble (eight successful completions)	16
MULT	203	History of Western Music 1	2
MULT	204	History of Western Music 2	2.5
MULT	205	History of Western Music 3	2.5
MULT		World Music elective	1
MULT	411	Piano Literature	1

FYS	101	Moral Reasoning elective (Domain 5)	3
		Going Global: First-Year Seminar (Domain 7)	3
		General Education elective (Select from Domains 1, 3, 4, 5 or 6)	3
		Total	123.5

*Minimum grade of "C" required.

+Upon completion of MUTC

MUTC	109	Ear Training	2*
MUTC	201	Chromatic Harmony and Compound Forms	3
MUTC	202	20th Century Theory	2
MUTC	203	Intermediate Aural Skills	1
MUTC	204	Advanced Aural Skills	1
MUTC	205	Intermediate Sightsinging	1
MUTC	206	Advanced Sightsinging	1
MUTC	401	Form and Analysis 1	2
MUTC	402	Form and Analysis 2	2
PRF	101	Performance Forum (five successful completions)	2.5
PRF	201	Health Issues for Artists	.5
		Music elective	2
		(not to include performance or student)	

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APCH		Applied Vocal Coaching	4
		APCH 101-APCH 201 (4 consecutive semesters)	
AP**		Applied Piano	6
		APPN 101-APPN 201 or APCP 105-APCP 206 (4 consecutive semesters), and APAC 101 (2 consecutive semesters)	
MUCO	361	Beginning Choral and Instrumental Conducting	1.5*
MUEN		Ensemble	16
MULT	203	History of Western Music 1	2
MULT	204	History of Western Music 2	2.5
MULT	205	History of Western Music 3	2.5
MULT		World Music elective	1
MULT	402	Oratorio/Choral Literature	3
	or		
MULT	420	Opera Literature	
MULT	433	Survey of Vocal Literature	3
MUPP	225	Opera Stage	

⁺Upon completion of MUTC 101, students must remain continuously registered each fall and spring semester until the sequence of MUTC 101, MUTC 102, MUTC 201 and MUTC 202 are completed.

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Consult with advisor to select appropriate electives.

Elective credits must bring degree total to minimum of 120 credits.

Elective credits may be used by

MUTC	102	Diatonic Harmony and Simple Forms	3*
MUTC	107	Keyboard Harmony 1 (non-APCP piano minors only)	1
MUTC	108	Keyboard Harmony 2 (non-APCP piano minors only)	1
MUTC	109	Ear Training	2*
MUTC	201	Chromatic Harmony and Compound Forms	3
MUTC	202	20th Century Theory	2
MUTC	203	Intermediate Aural Skills	1
MUTC	204	Advanced Aural Skills	1
MUTC	205	Intermediate Sightsinging	1
MUTC	206	Advanced Sightsinging	1
MUTC	401	Form and Analysis 1	2
MUTC	402	Form and Analysis 2	2
MUTC	408	16th Century Counterpoint	2
	or		
MUTC	409	18th Century Counterpoint	
MUTC		Music Theory elective	2
		Music Electives or Secondary Applied minor (may include content, performance or skill-based instruction)	4
		Music electives (not to include performance or skill-based instruction)	4
PRF	101	Performance Forum (five successful completions)	2.5
PRF	201	Health Issues for Artists	.5
ENG	101	Composition (Domain 1)	3
		Effective Communication, Oral Communication elective (Domain 1)	3
		Quantitative Literacy elective (Domain 3)	3
		Scientific Literacy elective (Domain 4)	3
		Moral Reasoning elective (Domain 5)	3
FYS	101	Going Global: First-Year Seminar (Domain 7)	3
		General education elective (Select from Domains 1, 3, 4, 5, 6 or 7)	3
		Total	121
		Total with MUTC 107-MUTC 108	123

*Minimum grade of "C" required.

[†]Upon completion of MUTC 101, students must remain continuously registered each fall and spring semester until the sequence of MUTC 101, MUTC 102, MUTC 201 and MUTC 202 are completed.

electives

Consult with advisor to select appropriate electives.

Elective credits must bring degree total to minimum of 120 credits.

Elective credits may be used to fulfill general education requirements. Note that some credits required for the major will also complete general education requirements.

Elective credits applied to degree requirements may not include performance- or skill-based instruction unless specifically so designated on the list of courses.

Applied Majors

Applied Major: 8 semester duration, AP** 103-AP**403.

Applied Piano Minor: 4 semester duration, APCP 105-APCP 206 or APPN 101-APPN 201.

Applied Secondary Minor, when elected, must include 4 semesters of study in a single instrument within the instrument family of the student's major instrument.

se e e ulre e s

16 total credits

Twelve credits of large ensemble earned in six different semesters performing on major instrument, with ensemble participation every semester of full-time enrollment required. Four additional credits of either large or small ensembles are required.

Elizabeth Temple, Professor of Music

Ruebush Hall, Room 200, (540) 665-4640, etemple@su.edu

The Bachelor of Music in Collaborative Piano curriculum is designed for the talented pianist seeking a career in the fields of chamber music performance and vocal accompanying. The student aspiring to college teaching or concertizing as a collaborative pianist should realize the exacting standards required for such a career. The student who hopes to achieve professional status should plan to continue study at the graduate level.

Learning Objectives

Students completing the Bachelor of Music in Collaborative Piano will be able to:

- demonstrate musicianship in solo and ensemble performance;
- perform a variety of repertoire;
- perform in a variety of instrumental and vocal chamber music settings;
- demonstrate the ability to lead a rehearsal;
- demonstrate knowledge of opera literature, vocal literature and piano chamber literature;
- demonstrate basic knowledge of classical music languages and diction as encountered in standard vocal repertoire;
- demonstrate knowledge of music theory, music history, world music and music technology;
- demonstrate the ability to express ideas orally and in writing; and
- attend a variety of public performances and events.

Required Coursework

Course	Title	Credit Hours
APAC	Applied Accompanying APAC 103-APAC 403 (8 consecutive semesters) (minimum grade of "C" at AP** 203, fourth semester of study)	24
APHC	Applied Harpsichord APHC 101 (2 consecutive semesters)	2
AP**	Applied Secondary Minor AP** 101 (2 consecutive semesters) (select from additional harpsichord, organ, jazz piano or voice)	2
MUCO 361	Beginning Choral and Instrumental Conducting	1.5*
MUCO 363	Choral Conducting	1.5
	or	
MUCO 364	Instrumental Conducting	
MUEN 323	Accompanying Ensemble (eight successful completions)	16
MULT 203	History of Western Music 1	2
MULT 204	History of Western Music 2	2.5
MULT 205	History of Western Music 3	2.5
MULT	World Music elective	1

MULT	411	Piano Literature 1	2
MULT	412	Piano Literature 2	2
MULT	420	Opera Literature	3
MULT	433	Survey of Vocal Literature	3
MULT	434	The Piano in Chamber Literature	2
MUPP	260	Introduction to Lyric Diction	2
MUPP	330	Reper toire for Piano Ensemble	2
MUPP	332	Piano Pedagogy	2
MUPP	341	Half Recital	1
MUPP	440	Full Recital (two successful completions)	4
MUTC	101	Introduction to Music Theory	2* +
MUTC	102	Diatonic Harmony and Simple Forms	3*
MUTC	107	Keyboard Harmony 1	1
MUTC	108	Keyboard Harmony 2	1
MUTC	109	Ear Training	2*
MUTC	201	Chromatic Harmony and Compound Forms	3
MUTC	202	20th Century Theory	2
MUTC	203	Intermediate Aural Skills	1
MUTC	204	Advanced Aural Skills	1
MUTC	205	Intermediate Sightsinging	1
MUTC	206	Advanced Sightsinging	1
MUTC	401	Form and Analysis 1	2
MUTC	402	Form and Analysis 2	2
PRF	101	Performance Forum (five successful completions)	2.5
PRF	201	Health Issues for Artists	.5
		Foreign Language electives (French, German or Italian only) (Domain 7)	6
ENG	101	Composition (Domain 1)	3
		Effective Communication, Oral Communication elective (Domain 1)	3
		Quantitative Literacy elective (Domain 3)	3
		Scientific Literacy elective (Domain 4)	3
		Moral Reasoning elective (Domain 5)	3
FYS	101	Going Global: First-Year Seminar (Domain 7)	3
		General Education elective (Select from Domains 1, 3, 4, 5 or 6)	3
		Total	130

*Minimum grade of "C" required.

+Upon completion of MUTC 101, students must remain continuously registered each fall and spring semester until the sequence of MUTC 101, MUTC 102, MUTC 201 and MUTC 202 are completed.

electives

Consult with advisor to select appropriate electives.

Elective credits must bring degree total to minimum of 120 credits.

Elective credits may be used to fulfill general education requirements. Note that some credits required for the major will also complete general education requirements.

Elective credits applied to degree requirements may not include performance- or skill-based instruction unless specifically so designated on the list of courses.

Applied Studies

Applied Accompanying: 8 semester duration, APAC 103-APAC 403.

Applied Harpsichord Minor: 2 semester duration, APHC 101.

Applied Secondary Minor: 2 semester duration, APHC 201, APOG 101, APIK 101 or APVO 101.

se e e ulre e s

16 total credits

All ensemble credits to be earned in MUEN 323, Accompanying Ensemble, with ensemble participation every semester of full-time enrollment required.

e r u s i e r

Michael Rohrbacher, Associate Professor of Music
Ruebush Hall, Room 226-A, (540) 665-4560, mrohrbac@su.edu

The Bachelor of Music Therapy curriculum prepares students for careers in which music is used to accomplish therapeutic aims, working with children and adults who require special services because of behavioral, learning, physical or psychological disabilities. Following the awarding of the degree, which includes a culminating internship at a site affiliated with Shenandoah University or approved by the American Music Therapy Association, students are eligible to take the national examination in music therapy administered by the Certification Board for Music Therapists. Upon passing the examination, the credential Music Therapist (MT-BC) is awarded.

All required

MUTH	440	Music Therapy and Mental Health	2*
MUTH	450	Music Therapy and Medicine/Rehabilitation	2*
MUTH	482	Music Therapy Internship**	12
		or	
MUTH	483	Music Therapy Internship 1 and	
MUTH	484	Music Therapy Internship 2 and	
MUTH	485	Music Therapy Internship 3 and	
MUTH	486	Music Therapy Internship 4	
PRF	101	Performance Forum (five successful completions)	2.5
PRF	201	Health Issues for Artists	.5
BIO	231	Human Anatomy and Physiology I (Domain 4)	4
BIOL	231	Laboratory in Human Anatomy and Physiology I	0
		Dance Technique electives	2
PSY	101	General Psychology (Domain 6)	3
PSY	310	Abnormal Psychology	3
PSY	325	Psychology in the Classroom	3
		Clinical Foundations elective	3
		To be chosen fromv	

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Semesters 1 through 4: APCP 105-APCP 206 or APPN 101-APPN 201, 4 credits

Semesters 5 and 6: APIK 101, Applied Jazz Piano, 2 credits

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AMGT	401	Arts Management Internship 1	3
AMGT	402	Arts Management Internship 2	3
AMGT	403	Arts Management Internship 3	3
AMGT	415	Arts Management Policy and Practice	3*
MUCO	361	Beginning Choral and Instrumental Conducting	1.5*
MUEN		Ensemble	14
MULT	203	History of Western Music 1	2
MULT	204	History of Western Music 2	2.5
MULT	205	History of Western Music 3	2.5
MULT		World Music elective	1
MUTC	101	Introduction to Music Theory	2*+
MUTC	102	Diatonic Harmony and Simple Forms	3*
MUTC	107	Keyboard Harmony 1 (non-APCP piano minors only)	1
MUTC	108	Keyboard Harmony 2 (non-APCP piano minors only)	1
MUTC	109	Ear Training	2*
MUTC	201	Chromatic Harmony and Compound Forms	3
MUTC	202	20th Century Theory	2
PRF	101	Performance Forum (five successful completions)	2.5
PRF	201	Health Issues for Artists	.5
BA	201	Legal Environment of Business	3
BA	203	Statistics and Data Analysis for Business (Domain 3)	3
BA	211	Principles of Accounting I	3
BA	307	Introduction to Management and Organizational Behavior	3
BA	453	Human Resource Management and Business Ethics	3
		BA or AMGT elective	3
EC	211	Principles of Macroeconomics (Domain 6)	3
ISCT	204	Computer Applications in Business Analysis	3
MCOM	205	Introduction to Public Relations	3
ENG	101	Composition (Domain 1)	3
		Scientific Literacy elective (Domain 4)	3
		Moral Reasoning elective (Domain 5)	3
FYS	101	Going Global: First-Year Seminar (Domain 7)	3
		General Education elective	3
		(Select from Domains 1, 3, 4, 5 or 7)	
		Total	123.5

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Total

123.5

Applied Music Studies

Applied Major: 6 semester duration, AP** 102-AP** 302.

Applied Minor (non-piano majors): 4 semester duration, APCP 105-APCP 206 or APPN 101-APPN 201.

Applied Minor (piano majors): 4 semester duration, AP** 101-AP** 201, in a single classical or jazz instrument.

Large Ensemble

14 total credits

Twelve credits of large ensemble earned in six different semesters performing on major instrument or voice. Two additional credits of large or small ensemble. Participation in every semester of enrollment except the internship semester required.

Course	Title	Credit Hours
AP**	Applied Jazz Major (minimum grade of "C" at AP** 201, fourth semester of study)	8
AP**	Applied Classical Major (4 consecutive semesters)	4
AP**	Applied Minor (see specific requirements below)	6
AMGT 311	Managing Arts, Entertainment and Media Enterprises	3*
AMGT 312	Marketing for the Arts	3*
AMGT 313	Production/Project Management in the Arts 1	3*
AMGT 314	Production/Project Management in the Arts 2	3*
AMGT 316	Financial Management for the Creative Enterprise	3*
AMGT 401	Arts Management Internship 1	3
AMGT 402	Arts Management Internship 2	3
AMGT 403	Arts Management Internship 3	3
AMGT 415	Arts Management Policy and Practice	3*
MUCO 361	Beginning Choral and Instrumental Conducting	1.5*
MUEN	Ensemble	14
MULT 203	History of Western Music 1	2
MULT 204	History of Western Music 2	2.5
MULT 205	History of Western Music 3	2.5
MULT	World Music elective	1
MUTC 101	Introduction to Music Theory	2*+
MUTC 102	Diatonic Harmony and Simple Forms	3*
MUTC 107	Keyboard Harmony 1 (non-APCP piano minors only)	1
MUTC 108	Keyboard Harmony 2 (non-APCP piano minors only)	1
MUTC 109	Ear Training	2*
MUTC 201	Chromatic Harmony and Compound Forms	3
MUTC 202	20th Century Theory	2
PRF 101	Performance Forum (five successful completions)	2.5
PRF 201	Health Issues for Artists	.5
BA 201	Legal Environment of Business	3
BA 203	Statistics and Data Analysis for Business (Domain 3)	3
BA 211	Principles of Accounting I	3
BA 307	Introduction to Management and Organizational Behavior	3
BA 453	Human Resource Management and Business Ethics	3
	BA or AMGT elective	3
EC 211	Principles of Macroeconomics (Domain 6)	3

ISCT	204	Computer Applications in Business Analysis	3
MCOM	205	Introduction to Public Relations	3
ENG	101	Composition (Domain 1)	3
		Scientific Literacy elective (Domain 4)	3
		Moral Reasoning elective (Domain 5)	3
		The Individual in Society elective (Domain 6)	3
FYS	101	Going Global: First-Year Seminar (Domain 7)	3
		General Education elective (Select from Domains 1, 3, 4, 5 or 7)	3
		Total	128.5
		Total with MUTC 107-108	130.5

*Minimum grade of "C" required.

+Upon completion of MUTC 101, students must remain continuously registered each fall and spring semester until the sequence of MUTC 101, MUTC 102, MUTC 201 and MUTC 202 are completed.

Electives

Consult with advisor to select appropriate electives.

Elective credits must bring degree total to minimum of 120 credits.

Elective credits may be used to fulfill general education requirements. Note that some credits required for the major will also complete general education requirements.

Elective credits applied to degree requirements may not include performance- or skill-based instruction unless specifically so designated on the list of courses.

Required Electives

Required Courses

- Semesters 1 and 2: AP**101, jazz, 1 credit, plus AP**101, classical, 1 credit
- Semesters 3 and 4: AP**201, jazz, 1 credit, plus AP**201, classical, 1 credit
- Semesters 5 and 6: AP**302, jazz, 2 credits
- Semester 7: AP**402, jazz, 2 credits

Required Courses for Applied Jazz Piano

- Semesters 1 through 4: APCP 105-APCP 206 or APPN 101-APPN 201, 4 credits
- Semesters 5 and 6: APJK 101, Applied Jazz Piano, 2 credits

Required Courses for Applied Jazz Instrument

- Semesters 1 through 4: APCP 105-APCP 206 or APPN 101-APPN 201, 4 credits
- Semesters 5 and 6: Applied Jazz or Classical Study, 2 credits
(must be same instrument both semesters)

Required Courses for Applied Clarinet

- Semesters 1 and 2: APCP 105-APCP 106 or APPN 101, 2 credits
- Semester 3: APJK 101, Applied Jazz Piano, 1 credit
- Semester 4: APCL 101, Applied Clarinet, 1 credit
- Semester 5: APFL 101, Applied Flute, 1 credit
- Semester 6: AP 101, Applied Jazz Piano, Clarinet or Flute, 1 credit

Required Courses for Applied Performance Development

- Semesters 1 and 2: APPD 101, Applied Perf. Dev., 2 credits
- Semesters 3 and 4: APPD 201, Applied Perf. Dev., 2 credits
- Semesters 5 and 6: APPD 301, Applied Perf. Dev., 2 credits

Duration requirements in applied jazz study: all duration requirements must be met fully. Credit from previous study may not be consolidated nor spread to meet duration requirements.

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14 total credits

Six credits of large ensemble earned in three different semesters, performing on major instrument. Two credits of small ensemble. Six additional credits of large or small ensemble. Participation is required in every semester of enrollment except the internship semester.

Course	Number	Title	Credit Hours
AMGT	311	Managing Arts, Entertainment and Media Enterprises	3*
AMGT	312	Marketing for the Arts	3*
AMGT	313	Production/Project Management in the Arts 1	3*
AMGT	314	Production/Project Management in the Arts 2	3*
AMGT	316	Financial Management for the Creative Enterprise	3*
AMGT	401	Arts Management Internship 1	3
AMGT	402	Arts Management Internship 2	3
AMGT	403	Arts Management Internship 3	3
AMGT	415	Arts Management Policy and Practice	3*
BA	201	Legal Environment of Business	3
BA	203	Statistics and Data Analysis for Business (Domain 3)	3
BA	211	Principles of Accounting I	3
BA	307	Introduction to Management and Organizational Behavior	3
BA	453	Human Resource Management and Business Ethics	3

BA or AMGT electives: AMGT 415, AMGT 401, AMGT 402, AMGT 403, AMGT 415, AMGT 311, AMGT 312, AMGT 313, AMGT 314, AMGT 316, AMGT 401, AMGT 402, AMGT 403, AMGT 415, BA 201, BA 203, BA 211, BA 307, BA 453

		Arts electives (may include music, theatre, dance or art courses; not to include skill-based instruction)	2
		Scientific Literacy elective (Domain 4)	3
		Moral Reasoning elective (Domain 5)	3
		The Individual in Society elective (Domain 6)	3
FYS	101	Going Global: First-Year Seminar (Domain 7)	3
		Total	126

* Minimum grade of "C" required.

Electives

Consult with advisor to select appropriate electives.

Elective credits must bring degree total to minimum of 120 credits.

Elective credits may be used to fulfill general education requirements. Note that some credits required for the major will also complete general education requirements.

Elective credits applied to degree requirements may not include performance- or skill-based instruction unless specifically so designated on the list of courses.

Course	Title	Credit Hours
AMGT 311	Managing Arts, Entertainment, and Media Enterprises	3*
AMGT 312	Marketing for the Arts	3*
AMGT 313	Production/Project Management in the Arts 1	3*
AMGT 314	Production/Project Management in the Arts 2	3*
AMGT 316	Financial Management for the Creative Enterprise	3*
AMGT 401	Arts Management Internship 1	3
AMGT 402	Arts Management Internship 2	3
AMGT 403	Arts Management Internship 3	3
AMGT 415	Arts Management Policy and Practice	3*
BA 201	Legal Environment of Business	3
BA 203	Statistics and Data Analysis for Business (Domain 3)	3
BA 211	Principles of Accounting I	3
BA 307	Introduction to Management and Organizational Behavior	3
BA 453	Human Resource Management and Business Ethics	3
	BA or AMGT elective	3
EC 211	Principles of Macroeconomics (Domain 6)	3
ISCT 204	Computer Applications in Business Analysis	3
TH 101	Basic Acting	3
TH 111	Stage Lighting 1	3
TH 112	Stage Craft	3
TH 131	Stage Costuming	3
TH 141	Theatrical Stage Make-up	3
TH 207	Stage Management 1	3
TH 213	Theatre Drawing	3
TH 221	Stage Properties	3
TH 351	History of Theatre 1	3
TH 352	History of Theatre 2	3
TH 353	History of Costume 1	3
TH 354	History of Costume 2	3
	Technical Theatre elective	2
DA 472	History and Philosophy of Dance 2	3
PRF 101	Performance Forum (five successful completions)	2.5

PRF	201	Health Issues for Artists
MCOM	205	Introduct

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Elective Studies in Another Discipline

Garrick Zoeter, Associate Professor of Music
Armstrong Hall, Room 17, (540) 665-4552, gzoeter@su.edu

The Bachelor of Science in Music with Elective Studies in Another Discipline curriculum offers students the opportunity to focus in music studies as well as in another field of study, which may include a non-arts related area. The plan for study in the second discipline is developed and approved in advance.

Prerequisites

Students completing the Bachelor of Science in Music with Elective Studies in Another Discipline will be able to:

- demonstrate musicianship in solo and ensemble performance;
- demonstrate the ability to lead a class or ensemble;
- demonstrate knowledge of a secondary field of study;
- demonstrate knowledge of music theory, music history and world music;
- demonstrate the ability to express ideas orally and in writing; and
- attend a variety of public performances and events.

Course and Elective Studies in Another Discipline

Course	Title	Credit Hours
AP**	Applied Major AP** 102-AP** 302 (6 consecutive semesters) (minimum grade of "C" at AP** 202, fourth semester of study)	12
AP**	Applied Minor (4 consecutive semesters) Non-piano majors: APPN 101-APPN 201 (4 consecutive semesters) or APCP 105-APCP 206 Piano majors: AP** 101-AP** 201 (4 consecutive semesters) in a single classical or jazz instrument	4
MUCO 361	Beginning Choral and Instrumental Conducting	1.5*
MUEN	Ensemble	12
MULT 203	History of Western Music 1	2
MULT 204	History of Western Music 2	2.5
MULT 205	History of Western Music 3	2.5
MULT	World Music elective	1
MUTC 101	Introduction to Music Theory	2* +
MUTC 102	Diatonic Harmony and Simple Forms	3*
MUTC 107	Keyboard Harmony 1 (non-APCP piano minors only)	1
MUTC 108	Keyboard Harmony 2 (non-APCP piano minors only)	1
MUTC 109	Ear Training	2*
MUTC 201	Chromatic Harmony and Compound Forms	3
MUTC 203	Intermediate Aural Skills	1
MUTC 205	Intermediate Sightsinging	1
	Music electives	8

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Undergraduate Certificate in Church Music

Steven L. Cooksey, Professor of Music
 Goodson Chapel, (540) 665-4633, scooksey@su.edu

The undergraduate Certificate in Church Music contains basic skill development for church musicians and is offered in three summer sessions, each one week in length, during three consecutive summers.

Learning Objectives

Students completing the Certificate in Church Music will be able to:

- demonstrate knowledge of repertoire for liturgical settings;
- demonstrate the ability to lead a rehearsal or music component of a church service;
- demonstrate knowledge of music history, world music and music technology; and
- demonstrate the ability to express ideas orally and in writing.

Course	Title	Credit Hours
MUCH 331	Church Music 1 Children's Choir Methods and Materials Conducting for Church Musicians Music and Worship	3
MUCH 332	Church Music 2 Adult Choir Methods and Materials Church Music Seminar Conducting for Church Musicians	3
MUCH 333	Church Music 3 Organ Repertoire for the Church Choral Conducting for Church Musicians Music and Worship	3
MUCH 334	Church Music 4 Church Music Seminar Organ Repertoire for the Church Service Playing and Console Conducting	3
MUCH 335	Church Music 5 Hymnology Music and Worship Instruments and Worship	3
MUCH 336	Church Music 6 Church Music Seminar Advanced Choral Conducting for Church Musicians Hymnology	3
	Total	18

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Michael Rohrbacher, Associate Professor of Music
Ruebush Hall, 226-A, (540) 665-4560, mrohrbac@su.edu

The Certificate in Ethnomusicology allows students currently enrolled in an undergraduate Conservatory degree program to

Minor Requirements

Shenandoah Conservatory offers the following minors for all Shenandoah University students whose curriculum requires a minor:

Minor Requirements

Course

Title

Credit Hours

MUTC

101

Introduction to Music Theory

2

Course	Title	Credit Hours
AMGT 311	Managing Arts, Entertainment, and Media Enterprises	3*
AMGT 312	Marketing for the Arts	3*
AMGT 313	Production/Project Management in the Arts 1	3*
AMGT 314	Production/Project Management in the Arts 2	3*
AMGT 316	Financial Management for the Creative Enterprise	3*
AMGT 415	Arts Management Policy and Practice	3*
AMGT 401	Arts Management Internship 1	3
AMGT 402	Arts Management Internship 2	3
AMGT 403	Arts Management Internship 3	3
	Total	27

* Minimum grade of "C" required.

Course	Title	Credit Hours
DA 141	Dance Improvisation	2
DA 241	Dance Composition 1	2
	Dance Theory electives chosen from the following:	6
DA 242	Dance Composition 2	
DA 261	Creative Movement for Children	
DA 341	Dance Composition 3	
DA 342	Dance Composition 4	
DA 371	Dance Science: Kinesiology	
DA 372	Dance Science: Biomechanics	
DA 471	History and Philosophy of Dance 1	
DA 472	History and Philosophy of Dance 2	
	Dance Technique Classes chosen from the following:	6
	DA or DAPE Ballet, Modern, Jazz or Tap	
	Dance electives (theory, technique or performance)	4
	Total	20

Course	Title	Credit Hours
TH 101	Basic Acting	3
TH 111	Stage Lighting 1	3
TH 112	Stage Craft	3
TH 131	Stage Costuming	3
TH 141	Theatrical Stage Make-up	3
TH 208	Script Analysis	3
TH 351	History of Theatre 1	3
	or	
TH 352	History of Theatre 2	
	Open electives in Theatre	3
	Total	24

SCHOOL OF HEALTH PROFESSIONS

nursing

The purpose of the School of Health Professions is to prepare students to be efficient and effective health-care practitioners.

mission statement

The faculty of the School of Health Professions believes the delivery of health care is a sophisticated procedure involving complex techniques and interrelated disciplines carried out by a team of highly skilled professional and paraprofessional practitioners. Further, the faculty recognizes a patient is a unique individual and is a composite of social, cultural and genetic components with rights and dignity to be preserved. The health-care team must guard these rights and protect the patient at all times. It must, therefore, operate not only on a scientific, but a moral and ethical basis as well. In view of this philosophy, the mission of the School of Health Professions is to provide the best education possible in the selected health-care disciplines and to achieve recognition as a prestigious center of undergraduate and graduate educational programs for students in nursing, respiratory care, physical therapy, occupational therapy, physician assistant studies, athletic training, and health services administration.

ISSI

Kathryn M. Ganske, Director
Health Professions Building-Nursing
1775 North Sector Court
(540) 678-4374; nurse@su.edu

ISSI

The mission of the Division of Nursing is to prepare graduates who deliver, manage and lead nursing care in a variety of health care settings, and who participate in personal and professional development.

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Since the 1960s, Shenandoah University has played an integral role in the education of nurses in the northern Shenandoah Valley. This rich tradition includes a program of study in the Division of Nursing (DON) that culminates in a Bachelor of Science in Nursing (BSN). Preparation for present and future nursing practice must address the ever-changing, increasingly complex and multi dimensional health needs of our society. To become educated, learners become involved in intellectual work and critical thinking in order to transform information into knowledge, skills, values, meanings and experiences necessary for the provision, management and coordination of general nursing care for individuals, families, groups and communities at the baccalaureate level. The scholarly habits of learning, established early, increase the graduate's lifetime ability to contribute to the discipline/profession of nursing and to society.

The Division of Nursing undergraduate program is approved by the Virginia Health Regulatory Boards (also known as the Virginia Board of Nursing), Perimeter Center, 9960 Maryland Drive, Suite 300, Henrico, VA 23233-1463; (804) 367-4515; Fax (804) 527-4455; Automated license verification (804) 270-6704-0860 (Div of Fee)

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- Provide a written request for consideration of advanced placement or course transfer along with two (2) hard copies of the appropriate nursing course syllabi/outlines for consideration. Each course will be evaluated individually.
 - Schedule an interview with a faculty member in the Division of Nursing.
 - Demonstrate competency of selected nursing skills through challenge exams or standardized tests prior to beginning classes.
 - Nursing faculty will evaluate the request and determine acceptance of the individual course.
 - Pre-licensure nursing courses with a grade of B or better will be considered for transfer.

Once students are admitted into the Shenandoah University undergraduate nursing program, all nursing courses with an N prefix must be taken within the Division of Nursing. Courses completed prior to admission to Shenandoah University will be evaluated on an individual basis.

Students who take undergraduate pharmacology at another institution prior to admission at SU must show evidence of passing the Pharmacology ATI exam with a level 2 or better. If they did not take the ATI elsewhere, or did not achieve a level 2, they must take it at SU. If they are not successful in reaching a level 2 or better after two attempts, they will need to repeat pharmacology at SU.

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Prerequisites

The Division of Nursing is committed to students' successful and timely progression through their chosen curriculum. Required courses

Licensure Considerations

Students and graduates are subject to the current Commonwealth of Virginia, Health Regulatory Boards, Board of Nursing statutes regarding legal limitations of licensure, licensure examinations and professional practice.

Students who have been convicted of a felony or who may have had previous legal experiences that would interfere with their ability to become licensed as a registered nurse are responsible for informing the director of the Division of Nursing and for contacting the Board of Nursing regarding their eligibility for licensure and the licensure application procedure.

Upon acceptance into the Nursing Program, the foll

N	214	Health Across the Lifespan: Adults I	5
N	216	Lifespan Development and Nutrition	3
NLAB	222	Skills for Nursing Practice I	1
N	306	Theory, Reasoning and Research in Nursing	3
N	307	Health Across the Lifespan: Children and Adolescents	4
N	308	Health Across the Lifespan: Families	4
N	314	Health Across the Lifespan: Adults II	5
N	315	Health Across the Lifespan: Adults III	5
N	319	Ethics and Genomics in Nursing Practice	3
NLAB	322	Skills for Nursing Practice II	1
NLAB	323	Skills for Nursing Practice III	1
N	401	Health Across the Lifespan: Communities	5
NLAB	403	Health Across the Lifespan: Clinical Elective	3
N	407	Transition to Professional Practice	3
N	414	Leadership and Ethics in Professional Nursing Practice	3
N	415	Emergency Preparedness and Disaster Nursing	3
		Total	121

Transfer Electives

The Transfer Track in Nursing at Shenandoah University is designed for students transferring to Shenandoah University and prepares the student with necessary skills and knowledge for an entry-level nursing position in a variety of settings. This track begins in the fall or spring semester and can be completed in five academic semesters.

Students in the transfer track must have completed all prerequisites prior to admission.

Applicants seeking admission to the BSN Transfer Track must meet the following guidelines:

Fall Deadline: August 1 Spring Deadline: December 1

1. Meet all requirements for admission to Shenandoah University
2. Submit official transcripts from all colleges and/or universities previously attended.
3. A cumulative GPA of 3.0 in these four science courses:

Anatomy and Physiology I with lab (SL: Scientific Literacy)	4
Anatomy and Physiology II with lab (SL: Scientific Literacy)	4
Chemistry with lab (SL: Scientific Literacy)	4
Microbiology with lab (SL: Scientific Literacy)	4

4. A cumulative GPA of 3.0 in these prerequisite/general education courses:

Medical Terminology	1
English Composition (EC: Effective Communication)	3
Public Speaking (EC: Effective Communication)	3
Introduction to Psychology (IS: The Individual in Society)	3
Introduction to Sociology (IS: The Individual in Society)	3
Statistics (QL: Quantitative Literacy)	3

Courses that satisfy the following SU general education domainsr

MR (Moral Reasoning)	3
IW (The Individual in the World)	3
Free Electives	7
Total Prerequisite Credits	48

5. Completion of the Test for Essential Academic Skills (TEAS) with a minimum score of 65 percent (score may be subject to change). Applicants may retake the exam one time only.

Accelerated Second Degree Track – Courses

Course	Title	Credit Hours
N 200	Fundamentals of Nursing Practice	4
N 201	Health Assessment	4
N 209	Health Across the Lifespan: Psychiatric Mental Health Nursing	4
N 214	Health Across the Lifespan: Adults I	5
N 216	Lifespan Development and Nutrition	3
NLAB 222	Skills for Nursing Practice I	1
N 272	Pathophysiology	3
N 283	Pharmacotherapy	3
N 306	Theory, Reasoning and Research in Nursing	3
N 307	Health Across the Lifespan: Children and Adolescents	4
N 308	Health Across the Lifespan: Families	4
N 314	Health Across the Lifespan: Adults II	5
N 315	Health Across the Lifespan: Adults III	5
N 319	Ethics and Genomics in Nursing Practice	3
NLAB 322	Skills for Nursing Practice II	1
NLAB 323	Skills for Nursing Practice III	1
N 401	Health Across the Lifespan: Communities	5
NLAB 403	Health Across the Lifespan: Clinical Elective	3
N 407	Transition to Professional Practice	3
N 414	Leadership and Ethics in Professional Nursing Practice	3
N 415	Emergency Preparedness and Disaster Nursing	3
	Nursing Elective	3
	Total	121

Accelerated Second Degree Track – Requirements

The Accelerated Second Degree Track in Nursing at Shenandoah University prepares students with necessary skills and knowledge for entry-level nursing positions in a variety of diverse settings. This track is 15 months in length and designed for the student who already holds a bachelor's degree in any field.

-
- Two letters of recommendation.
 - All prerequisite courses must be completed prior to enrollment.

Prerequisites

Course	Title	Credit Hours
	College or General Chemistry with Lab	4
	Human Anatomy and Physiology I, II with Lab	8
	Microbiology with Lab	4
	Medical Terminology	1
	Statistics	3
	Religion/Ethics/Philosophy	3
	English Composition and Literature	6
	Human Growth and Development	3
	Nutrition	3
	Sociology	3
	Electives from BA/BS degree	20
	Total	68

the program on a part-time basis. At the time of completion of the program, students are eligible to take the National Council Licensing Examination for registered nurses and for entry level professional nurse positions.

LPNs seeking admission to the BSN curriculum must meet the following guidelines:

- Meet all requirements for admission to Shenandoah University.
- Hold a current Virginia LPN license.
- Provide official transcripts from all previous colleges and/or universities attended.
- Have a cumulative GPA of 3.0 in these four science courses:

Anatomy and Physiology I with lab (SL: Scientific Literacy)	4
Anatomy and Physiology II with lab (SL: Scientific Literacy)	4
Chemistry with lab (SL: Scientific Literacy)	4
Microbiology with lab (SL: Scientific Literacy)	4

- Have a cumulative GPA of 3.0 in these prerequisite/general education courses:

Medical Terminology	1
English Composition (EC: Effective Communication)	3
Public Speaking (EC: Effective Communication)	3
Introduction to Psychology (IS: The Individual in Society)	3
Introduction to Sociology (IS: The Individual in Society)	3
Statistics (QL: Quantitative Literacy)	3
Growth and Development	3
Nutrition	3

Courses that satisfy the following SU general education domains:

AX (Artistic Expression)	3
MR (Moral Reasoning)	3
IW (The Individual in the World)	3
Free Electives	3
Total Prerequisite Credits	50

- Complete the Test for Essential Academic Skills (TEAS) with a minimum score of 65% (score may be subject to change). Applicants may re-take the exam one time only.
- Complete the NLN Acceleration Challenge Exam (NLN ACE) LPN-RN with a score in the 50th percentile or above, or achieve a score of 78 or above. Students may only take this exam twice.
- Completion of all prerequisite courses prior to enrolling.

Course	Title	Credit Hours
N 200	Fundamentals of Nursing Practice	4
N 214	Health Across the Lifespan: Adults I (Clinical Only)	2
NLAB 222	Skills for Nursing Practice I	1
NLAB 322	Skills for Nursing Practice II	1
NLAB 403	Health Across the Lifespan: Clinical Elective	3
	Nursing Elective	3
	Subtotal Challenge Credits	14

Students may only take the NLN ACE I PN-RN twice. If unsuccessful following a second attempt, the student will be required to take all required BSN nursing courses.

1. Optional:

-
1. An associate degree or diploma in nursing from an accredited program of nursing.
 2. Cumulative GPA of 2.5 on a 4.0 scale of all undergraduate course work.*
 3. A current Virginia license to practice as a registered nurse.

No grade lower than "C" will be transferred. All course credits for transfer are evaluated on an individual basis.

**Students who do not meet the 2.5 GPA requirements may apply f*

N	415	Emergency Preparedness and Disaster Nursing	3
		Nursing Electives if needed	9
		Total	32
		BSN Total	121

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ree- e es er r s er r

This track is available to students who do not hold any respiratory therapy credentials and who:

- hold a related or unrelated Associate of Science degree, or
- have completed the program prerequisites and Shenandoah University general education requirements.

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GLOBAL & COMMUNITY EDUCATION

Our Services

Global & Community Education (GCE) at Shenandoah University facilitates successful connections for learning between the university community and the world. GCE is recognized as a key resource for learners and educators to advance intercultural competency development and for local to global learning opportunities. Global & Community Education at Shenandoah University consists of three offices: the Office of International Student Services, the Office of Study Abroad and the Center for Lifelong Learning.

International Studies

Shenandoah University welcomes over 150 international students to its campuses each year from over 50 different countries. The Office of International Student Services provides an array of programs and services to support these students.

COURSE DESCRIPTIONS

2 e d d e s e r

An introduction to theories of American Studies and practice in research and writing. Prerequisites: ENG 101 and 102. Offered Fall, every other year. Three credits.

e r i u j r

This is a history of the American Self as redefined by commentators from John Woolman to Annie Dillard. Individual works by Woolman, Franklin, Thoreau, Douglass, Adams, Merton, Angelou and Dillard will be examined in their historical contexts and with reference to race and gender as important formative factors in self identity. Prerequisites: ENG 102 and permission of the instructor. Three credits.

e s

Through examination of history, literature, popular arts and contemporary media, this course will seek out the spirit of the 1960s, characterized by rejection of the establishment and the empowerment of youth. The continuing impact of the 1960s, for better or worse, will also be examined. Prerequisite: permission of the instructor. Three credits.

e j r e s i s

The senior thesis culminates the interdisciplinary emphasis of American Studies. With guidance from two or more faculty, each American Studies senior will complete a significant study of some aspect of American life or culture, from an interdisciplinary perspective. Prerequisite: AMST 202. Permission of instructor. Three credits.

2 r d u j l r e

An introduction to fieldwork in archeology including excavation, survey, analysis and laboratory processing. Anthropological theory as applied to material culture, New and Old World prehistory and the history of archaeology will also be covered. Students will receive training in all practical aspects of archaeology and an understanding of the concepts and ideas archaeologists utilize in interpreting both historic and prehistoric sites. Three credits.

2 u u r r

A study concentrating on the principal aspects of human culture with emphasis on kinship, socialization of children, politics, art, religion, social control and the world-view. Three credits.

rcyd—JoKéyo*—Kéyo*SPRZYXRRByd—JhKéyo*—JuKéyo*—JmKéyo*—JrKéyo*—JeRéyo*SPWVWVyoB
 The following are the names of the students who have completed this course: [List of names]

Applied Music Studies

In these course descriptions, AP** = curricular study and AE** = elective study; ** stands for a two-letter code used for registration and **** stands for the name of the applied area, as follows:

Applied Music Studies

FL = Flute

OB = Oboe

CL = Clarinet

BN = Bassoon

SX = Saxophone

RC = Recorder*

Applied Music Studies

PN = Piano

HC = Harpsichord

OG = Organ

OI = Organ Improvisation*

Voice

VO = Voice

Percussion

PR = Percussion

Jazz Studies

HN = Horn

TP = Trumpet

TN = Trombone

BT = Euphonium/Baritone

TB = Tuba

JS = Jazz Saxophone

JT = Jazz Trumpet

JB = Jazz Trombone

JG = Jazz Guitar

JK = Jazz Piano

JP = Jazz Percussion

EB = Jazz Electric Bass

JD = Jazz Double Bass

Instrumental Studies

VN = Violin

VA = Viola

VC = Cello

DB = Double Bass

HP = Harp

GT = Guitar

LT = Lute

BJ = Banjo*

Applied Music Studies

AC = Accompanying

MC = Composition

CN = Conducting

CH = Coaching

DA = Dance

Applied Music Studies

PD = Performance Development

RP = Teaching Repertoire

RS = Recital Study

SR = Score Reading

TT = Teaching Techniques

*Available as elective applied study only (AE**110, 120)

Applied Music Studies

Applied Music Studies

Individual lessons for students majoring in performance curricula to fulfill degree requirements as described in specific curriculum outlines. Detailed course descriptions are obtained from the instructor at the first lesson or found in the handbook of the division offering the instruction.

**

ied****

First-year applied major study; one-hour lesson per week. Prerequisite: successful audition in area of study. Three credits.

** Ied****

Fourth-year applied minor study; one-half-hour lesson per week. Prerequisite: six semesters of study in this applied area. One credit.

Ied e I e ud **

Individual lessons for students to fulfill duration requirements as described in specific curriculum outlines. Open to students for non-curricular study as instructor time and studio space allow. Detailed course descriptions are obtained from the instructor at the first lesson or found in the Handbook of the division offering the instruction. Registration by permission only.

** Ied****

Elective applied study; one half-hour lesson per week. One credit.

** 2 Ied****

Elective applied study; one-hour lesson per week. Two credits.

Ied er r e e e e

Applied study in a specific instrument designed to expand knowledge of repertoire and performance practice in idioms as determined by the applied instructor. Applied performance development is normally limited to students enrolled in guitar and applied jazz majors.

Ied er r e e e e

Applied performance study; one half-hour lesson per week. One credit.

2 Ied er r e e e e

Continuation of APPD 101; one half-hour lesson per week. One credit.

Ied er r e e e e

Continuation of APPD 201; one half-hour lesson per week. One credit.

Ied er r e e e e

Continuation of APPD 301; one half-hour lesson per week. One credit.

Ied e I e er Ire

Review of repertoire, from easy to difficult, designed for beginning through adult learners, performing that repertoire to identify mastery problems. Instruction designed to provide knowledge and bibliographic information of repertoire for teaching in a studio situation at all levels of difficulty. The course includes preparation of an annotated bibliography of specific materials, design of specific courses of study and compilations of recitals for students of varying ages.

Ied e I e er Ire

Applied repertoire study; one half-hour lesson per week. One credit.

Ied e I ud

Study designed to allow students to register for applied stud

1ed 2 re e di

Development of skills related to reading open scores at the keyboard, including score reduction as appropriate. Choral and instrumental open scores are included along with study of transposition as related to instrumental scores.

1ed 2 re e di

Applied performance study; one half-hour lesson per week. One credit.

1ed e I e I ues

Study of the pedagogical approaches related to a specific instrument, voice or area of applied study. Review of the sequential development of technique related to the performance medium. Instruction includes review of etude and technical materials or appropriate physical exercises related to individual pedagogical approaches appropriate to specific stages, ages or grade levels from beginning through adult study, observation of students at various levels of technical development and observed introductory teaching experiences. The course includes preparation of an annotated bibliography of specific materials and an in-depth outline of specific courses of study with appropriate approaches and related etudes, solos, and supplementary material for each stage of development.

1ed e I e I ues

Applied teaching technique study; one half-hour lesson per week. One credit.

1ed ss I 2

Group lessons in piano for students majoring in music or music theatre, or students minoring in music, to fulfill degree requirements as described in specific curriculum outlines. Open to students in other curricula, by KRS 506.001

APCP 305 - re- e di

A continuation of APCP 305 with direct emphasis on score-reading. Designed especially for Music Education majors. The fee structure normally associated with private study is applicable. A minimum grade of "C" is required to pass this class for students in the Bachelor of Music Education curriculum. Prerequisite: APCP 305 or permission of instructor. Offered each spring semester. One credit.

APCP 305 - r IS J

Continuation of APCP 305 with direct emphasis on improvisation. Designed especially for Music Therapy majors. The fee structure normally associated with private study is applicable. Prerequisite: APCP 305. Offered each spring semester. One credit.

APCP 306 - e - rd | s r usi du - rs

A continuation of the class piano sequence specifically designed for music education majors in the choral/general concentration curriculum. Content focuses on the further development of accompanying and other keyboard skills needed in general music programs and classrooms. The fee structure normally associated with private study is applicable. Prerequisite: APCP 306 or equivalent proficiency. One credit.

APCP 405 - e - rd | s r usi du - rs 2

A continuation of the class piano sequence specifically designed for music education majors in the choral/general concentration. Content focuses on the further development of accompanying and other keyboard skills needed in general music programs and classrooms. The fee structure normally associated with private study is applicable. Prerequisite: APCP 405 or equivalent proficiency. One credit.

With the exception of studio courses, Art courses may be used to fulfill Humanities requirements.

ART 101 - r du J - r wi d - - si J

A studio course designed to develop basic observational and drawing skills and to expose students to various drawing materials and techniques. Two credits.

ART 101 - 2 r du J - r wi d - - si J

Continuation of Art 101. Prerequisite: Art 101 or permission of instructor. Two credits.

ART 102 - 2 r re J J

A survey of the principles of aesthetics as applied to painting, sculpture, architecture, ceramics and photography. Three credits.

ART 200 - 2 es J J s J - der r

Discussion of images and ideas, using slides of art works as subjects, tracing developments in Western art from Impressionism to the present. Prerequisite: Art 200. Three credits.

ART 201 - 2 eri r

An historical survey of American art from 1700 to the present. Three credits.

ART 202 - 2 - J s

Study of specific topics, issues or themes within the field of art. Three credits.

ART 203 - J s

Selected upper-level topics in art history. Prerequisite: Permission of the instructor. Three credits.

SHENANDOAH UNIVERSITY - Irs - e r - - ulu

An introduction to the academic requirements, community and culture of Shenandoah University. One credit.

2 r s e e I e e r I edi

This course is designed as a study of the management skills necessary for a successful management career in the electronic media. Specific topics covered include radio, television, records, and video production. This course offered on an alternating schedule. Check with advisor for next offering. Prerequisite: Permission of the instructor. Three credits.

I r s e r I e d edi er rises

Course is designed to give students an overview of the cultural and entertainment industries from a management perspective. Specific topics covered include arts management career paths, history, environments, organizations, strategic planning, organizational design, economics and law. A minimum grade of "C" is required to pass this class. Prerequisite: Permission of the instructor. Three credits.

2 d e s u r t u e v d e r u e s u r d L W L u s d / L w d u

Course is designed to provide students with the tools necessary to understand market potential and to design effective systems for exchange relationships between those in the cultural and entertainment industries and the public. Specific topics covered include arts markets (audiences, segments, target markets, research, competition/collaboration), strategy development (positioning product, pricing, distribution systems and audience/customer loyalty), message deliveries (cVTU[BRByd—JIKéyo*—JoKTttVPTd*—JIKéyo*—JvKSWtyo*—JIKéyoXS

r s e e e r s i

Practical experience (150 hours minimum for each three-credit course) in a professional arts management situation. Prerequisites: All AMGT required courses, all BA requirements, all ENG requirements, EC 211, all major applied study (for music concentration) or permission of the instructor. Three credits.

r s e e e i d r i u s

Introduction to Biological Research

This course is designed to give biology majors 1) an introduction to primary and secondary sources of literature and research in the biological sciences, 2) to discuss and learn about the importance of ethics in biological sciences research, 3) to distinguish valid research topics based on the development of appropriate scientific hypotheses, 4) to learn to perform valid data collection, 5) to be able to test the hypothesis, 6) to select and use statistics to analyze data, 7) to use scientific logic to conclude the validity of hypotheses proposed based on data analysis, and 8) to give oral and written presentation of results. Three hour lecture each week. Fall semester. Three credits.

2. Research in Biological Sciences

The objective of this course is to give students who wish

2 e e l s

This course introduces the major concepts of transmission, molecular and population genetics. Emphasis will be placed upon the various modes of Mendelian (transmission) inheritance. A human perspective will be used in conveying these fundamental aspects of heredity. The laboratory component will include experimental design, data analysis, cytogenetics, as well as experiments, problems and research information from an Internet site. The

2 Principles of Accounting

An introduction of the fundamentals of accounting which is basic language of business. Journals, ledgers, adjusting entries and closing entries are introduced and utilized in building the financial and operating statements of

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A study of the control and distribution of costs within manufacturing firms and the development of effective analytical tools of cost measurement in the planning and control of business operations. Topics include cost systems, standard costs, measurement and evaluation of quantity and quality variances, job cost identification, process cost identification, assignment of direct and indirect expenses, allocation of overhead expenses, flexible budgets, accounting for by-products, joint products, transfer pricing and the development of an effective system of cost accounting reports as a tool for utilization in management decision-making. Prerequisite: BA 212. Three credits.

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The use of accounting data as an information system for recording and projecting the flow of funds through the firm, in determining the net results of the firm's operation, that include budget comparison and analysis, and the evaluation of the performance of management. This is followed by analysis of the role of accounting information in aiding the management control system and the way in which such systems and incentives motivate people within organization. Prerequisite: BA 212. Three credits.

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_ u i d i e r re re eurs

This course is designed for non-business majors who desire a fundamental understanding of the financing and accounting issues all businesses face. Specific attention is given to understanding a cash flow statement, income statement, statement of equity and balance sheet. The student is introduced to financing options, financial ratios and exposed to accounting tools that will help in managing a small business. May not be taken for credit with BA 330. Prerequisite: BA 112 or BA 103. Three credits.

r du J _ i e

An introduction to all aspects of corporate financial management, including the role of finance in a business organization; the role of financial markets and institutions; interpretation, analysis and forecasting of financial statement; time value of money; the consumption-investment decision; the various instruments of debt and equity; and valuation methods. Prerequisite: Junior standing or permission of the instructor. Three credits. Normally offered in the spring.

r du J _ e re e e

An introductory course relating the concepts and functions of the manager to the specific realm of managing the health services delivery system. Three credits.

r du J _ r e i

Basic marketing functions, institutions, and concepts are studied with emphasis on the "4 Ps of Marketing," which are involved in the creation, pricing, promotion, distribution, and sale of goods and services in industrial and consumer markets. Prerequisites: BSB Junior-level standing (or BA 112 for minor in entrepreneurship) or permission of instructor. Three credits.

r e i e s e r d e e e

Introduction to the techniques, tools and applications of marketing research and product/service development. Upon completion of this course, the student will have acquired the knowledge and skills needed to design proposals and marketing research studies, collect data using field and desk methods, analyze data using purpose-built software, and report findings to aid decision-making — all according to established ethical guidelines. The student will also understand the process of product development and the critical role of research in this process. Prerequisites: BA 360 and BA 203 or equivalent. Three credits.

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r e i _ u i J s

This course provides the marketing student with an in-depth understanding of all the communication tools available for the development and implementation of effective marketing strategies, including advertising, sales promotion, personal selling and publicity. Prerequisites: BA 360, junior-level standing or permission of the instructor. Three credits.

Consumer Behavior

Study of activities related to both purchasing and consuming of goods and services together with behavioral and decision processes tied to such activities. Cognitive, affective, and behavioral factors, such as attitude, cognition, perception, learning, motivation, psycho-social factors, and environmental influences.

3 **audit**

A study of the purposes, ethical and legal environment, necessary steps in performing an accounting audit reviewing acceptable practices, and the standard accounting techniques and procedures for an audit using working papers, statements and reports. Internal controls and external auditing activities are examined, with particular focus upon the professional responsibility of the auditor to his/her clients. Prerequisite: BA 312. Three credits.

2 **es e d - r - J e e**

Valuation of stocks, bonds, futures, options, real estate and other real and financial assets.
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Business Administration

Strategic management, formulation, implementation and control are examined using a case study approach. Topics include corporate social responsibility (CSR), agency theory, resource-based-view of the firm, value chain analysis, executive compensation, balanced scorecard, bankruptcy, strategic analysis and choice, strategy implementation, structuring an effective organization, organization, organizational leadership, strategic control and continuous improvement. The focus is upon the strategic management and alignment of these areas to achieve the objectives of the business empire. Prerequisite: BSB senior standing or special permission from the instructor. Three credits.

Business Administration

A future oriented senior capstone in management designed to synthesize previous learning and to prepare the student for entry into the work force as an entry or mid-level manager. Prerequisite: BSB senior standing. Three credits.

Independent Study

Utilized for courses in business administration that are not offered elsewhere, and for individuals desiring to pursue a given issue, topic, or concentration further than obtainable in regularly scheduled courses. May be repeated once. Prerequisite: BSB junior or senior standing. Three credits.

Business Internship

A link between the classroom and experience on the job, the internship provides qualified students a three-way arrangement among the professor-advisor, the employer and the student-employee. Students may obtain appropriate employment on their own or in conjunction with the internship advisor of the school of business. A minimum of two 40-hour work periods is required for each semester hour of credit for which the course is taken. Prerequisites: BSB junior or senior standing and permission of the internship advisor. 1/43

2 ese r e i r

This course is designed to provide an opportunity for study of the scientific approach to the solution of technical problems. Prerequisites: CHEM 211, CHEM 302, CHEM 491 and permission of the instructor. Two credits.

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An inclusive week of "hands on" study in the field of church music with special emphasis on children's choir methods and materials, basic conducting and the role of music in the church. (Replaces MUCH 201, Children's Choir Methods and Materials; MUCH 307, Conducting for Church Musicians I; and MUCH 403, Music and Worship I.) This course offered on an alternating schedule. Check with advisor for next offering. Prerequisite: Permission of the instructor. Three credits.

2 ur usi 2

An inclusive week of "hands on" study in the field of church music in which students plan, prepare and participate in a wide variety of church services. Prerequisites: MUCH 201, MUCH 307, MUCH 403, and permission of the instructor. Two credits.

e l _ l s

Investigation of a

Guided Individualized Study

Guided individualized study of a particular area of topic in Criminal Justice as agreed by the student and instructor. An outline of the proposed study content, learning activities, and evaluation methods must be submitted to the instructor for approval prior to enrollment. Prerequisites: CJ 201 and permission of the instructor. One to three credits.

Modern Dance

A course for dance majors (and others with instructor's permission) that involves the development of skill, knowledge, and appreciation of modern dance through the study of fundamental techniques and other movement experiences. Through these processes, students develop an understanding of the technical and artistic foundations necessary for performance, choreography and teaching. A minimum grade of "C" is required to pass this class. Prerequisite: Permission of the instructor. Two credits.

2 **Contemporary Partnering**

Exploration of contact improvisation and contemporary partnering skills. Prerequisite: Permission of the instructor. One credit.

1 **Pilates**

This course is designed for students to develop an understanding of Pilates' 6 Principles and physical mastery of the 34 Pilates Mat exercises. The material presented will cover the specific benefits of the Pilates method as it applies to cross training for dance and the professional performer/athlete. One credit.

2 **Dance Technique**

For the dance major (and others with instructor's permission), continued exploration in movement and motion further develop skills and knowledge of modern dance technique, with emphasis on performance skills. Through these processes, students develop an understanding of the technical and artistic foundations necessary for performance, choreography and teaching. A minimum grade of "C" is required to pass this course. Prerequisite: DA 112 or permission of the instructor. Two credits.

2 2 **Dance Technique**

For the dance major (and others with instructor's permission), continued exploration in movement and motion further develop skills and knowledge of modern dance technique, with emphasis on performance skills. Through these processes, students develop an understanding of the technical and artistic foundations necessary for performance, choreography and teaching. A minimum grade of "C" is required to pass this class. Prerequisite: DA 211 or permission of the instructor. Two credits.

22 **Dance Technique**

For the dance major (and others with instructor's permission), continued training with emphasis on increasing technical proficiency of technical skills and knowledge of the art form. Through these processes, students develop an understanding of the technical and artistic foundations necessary for performance, choreography and teaching. A minimum grade of "C" is required to pass this class. Prerequisite: DA 122 or permission of the instructor. Two credits.

222 **Dance Technique**

For the dance major (and others with instructor's permission), continued training with emphasis on increasing proficiency of technical skills and knowledge of the art form. Through these processes, students develop an understanding of the technical and artistic foundations necessary for performance, choreography and teaching. A minimum grade of "C" is required to pass this class. Prerequisite: DA 221 or permission of the instructor. Two credits.

2

For the dance major (and others with instructor's permission), a continuation of the study of technique in the jazz style, with emphasis on increasing proficiency of technical and performance skills and knowledge of the jazz style. Prerequisite: DA 221 or permission of the instructor. Two credits.

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Continued study of modern dance technique for the advanced student, emphasizes the attainment of technical proficiency and high quality performance skills and increased knowledge about the art form. Through these processes, students develop an understanding of the technical and artistic foundations necessary for performance, choreography and teaching. A minimum grade of "C" is required to pass this class. Prerequisite: DA 311 or permission of the instructor. Two credits.

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Continued study of ballet for the advanced student, emphasizes the attainment of technical proficiency and high quality performance skills and increased knowledge about the art form. Through these processes, students develop an understanding of the technical and artistic foundations necessary for performance, choreography and teaching. A minimum grade of "C" is required to pass this class. Prerequisite: DA 222 or permission of the instructor. Two credits.

22 **e**

Continued study of ballet for the advanced student, emphasizes the attainment of technical proficiency and high quality performance skills and increased knowledge about the art form. Through these processes, students develop an understanding of the technical and artistic foundations necessary for performance, choreography and teaching. A minimum grade of "C" is required to pass this class. Prerequisite: DA 321 or permission of the instructor. Two credits.

2 **I e**

Study in classical pointe technique for the ballet dancer includes training exercises for strength development. Advanced dancers may study ballet variations and pas de deux drawn from the classical repertoire. A minimum grade of "C" is required to pass this class. Prerequisite: permission of the instructor. One or two credits.

Continued study of jazz dance for the advanced student with emphasis on attaining technical proficiency, high quality performance skills, and increased knowledge about the art form. Through these processes, students develop an understanding of the technical and artistic foundations necessary for performance, choreography and teaching. A minimum grade of "C" is required to pass this class. Prerequisite: DA 232 or permission of the instructor. Two credits.

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Continued study of jazz dance for the advanced student with emphasis on attaining technical proficiency, high quality performance skills, and increased knowledge about the art form. Through these processes, students develop an understanding of the technical and artistic foundations necessary for performance, choreography and teaching. A minimum grade of "C" is required to pass this class. Prerequisite: DA 331 or permission of instructor. Two credits.

e **SIJ**

Further exploration in composing duets, trios, quartets and large group pieces. Emphasis on exploring spatial designs and rhythmic variations for group works. Technology skills that support choreographic creativity are developed. Ethical and legal issues relating to technology and copyright are discussed with regpo

e r du J

Production principles of dance performance include production personnel and scheduling, lighting, staging, costuming, sound production and video techniques. Discussion of these topics will be combined with first-hand experience, as students assist in preparations for all scheduled dance performances. This course develops a foundation of knowledge, skills and processes appropriate for dance performance and teaching. One credit.

2 e r du J 2

This course is designed to acquaint students with dance production management. Topics include scheduling, budgeting and contractual requirements, publicity and box office management, program funding, and production week activities. Discussion of these topics will be combined with first-hand experience, as students assist in preparations for all scheduled dance performances. This course develops a foundation of knowledge skills and processes appropriate for dance performance and teaching. One credit.

e r du J

This course is designed to provide students with advanced-level experience in dance production, planning and management. Students will serve as assistants to the production manager and artistic directors, gaining first-hand experience in the development of schedules, contracting personnel and working with a purchasing system for the acquisition of materials and supplies. Students take a more active leadership role during load-in, and may stage manage a mainstage concert, supervise backstage preparations and call cues for performance. Prerequisite: DA 351 or permission of the instructor. One credit.

e r du J

This course is designed to provide students with advanced-level experience in dance production planning and management, particularly in relation to front-of-the-house activities and publicity. Students take a more active leadership role during load-in, and may stage manage a mainstage concert, supervise backstage preparations and call cues for performance. Students may also assist with Outreach Programming, gaining first-hand touring management experience. Prerequisite: DA 352 or permission of the instructor. One credit.

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Analysis of content material specific to the pedagogy of ballet technique focusing on sound principles of technique, curriculum development, implementation of goal-specific teaching strategies and evaluation of pupil performance. Technology resources appropriate to teaching are identified, examined and utilized. Independent projects develop reading comprehension, research and oral/written communication skills and familiarity with the Virginia Standards of Learning. Supervised teaching experiences provide opportunities to develop effective teaching strategies.

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Analysis of content material specific to the pedagogy of jazz dance technique focusing on sound principles of technique, curriculum development, implementation of goal-specific teaching strategies and evaluation of pupil performance. Technology resources appropriate to teaching are identified, examined and utilized. Independent projects develop reading comprehension, research and oral/written communication skills and familiarity with the Virginia Standards of Learning. Supervised teaching experiences provide opportunities to develop effective classroom management skills and employ a variety of teaching methods. Students must be concurrently enrolled in a major level jazz dance technique course. This course is offered on an alternating schedule. Check with advisor for next offering. A minimum grade of "C" is required to pass this class in the BFA Dance Education curriculum. Prerequisite: Permission of the instructor; open to dance majors only. Two credits.

e le e / I esl _

In-depth exploration of human anatomical structure and its relationship to dance movement. Emphasis given to understanding joint limitations, injury prevention, and application of knowledge to studio teaching. This course develops a foundation of knowledge, skills and processes appropriate for dance performance and teaching. This course is offered on an alternating schedule. Check with advisor for next offering. Prerequisite: permission of the instructor. Three credits.

2 e le e , J e I s

Continued study of anatomical structure in relation to dance movement, including the principles of physics that influence stability and mobility in the human body. Emphasis given to the creation of desired results in dance training through properly-directed effort and economy of movement. This course develops the foundation of knowledge, skills and processes appropriate for dance performance and teaching. This course is offered on an alternating schedule. Check with advisor for next offering. Prerequisite: DA 371 or permission of the instructor. Three credits.

8 e d usl

Seminar in music for the dance professional. Topics include selection criteria, rhythmic training, and score reading and when the music is not working. Prerequisite: permission of the instructor. One credit.

I s r d I s t e

A study of the development of Western theatrical dance, relating this history to the cultural trends that shaped it. Philosophical theories of dance as a performing art and the writings of contemporary critics are examined and discussed. Emphasis placed on the development of an individual aesthetic base, developed through exposure to a wide variety of recorded resources. Independent reading, writing and research assignments are required.

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22 ire ed e i i e e d r --

Observation and teaching in public schools and private dance studios under direct supervision. Students will demonstrate a command of the knowledge, skills and processes necessary to meet a range of developmental levels for students in p

usl e re e es

A course for musical theatre majors (and others with permission of the instructor) that develops skills, knowledge and processes for the study of music theatre dance repertoire. Emphasis is placed on performance of traditional movement vocabulary for different historical time periods and musical genres, developing a character through choreography, and developing the versatility necessary for professional work. Through these processes, students develop an understanding of the technical and artistic foundations necessary for performance, choreography, and teaching. Prerequisite: Permission of the instructor. One credit.

usl e re e es 2

A course for music theatre majors (and others with permission of the instructor) that develops skills, knowledge and processes for the study of music theatre dance repertoire. Emphasis is placed on performance of movement vocabulary for a variety of contemporary musicals, developing a character through choreography and developing the versatility and adaptability necessary for professional work. Through these processes, students develop an understanding of the technical and artistic foundations necessary for performance, choreography and teaching. Prerequisite: Permission of the instructor. One credit.

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A course in the fundamentals of contemporary dance styles such as ballroom, folk dance, contra dance and country line dancing. Through these yo* fœtsKéPRZPo*—JcKéyo*—JeKéyo*—JsKéyo*—JsKéyo*—JeKéyo*—JsKéyo*—J,K

Elementary and Middle School Education

Students will study and implement effective elementary and middle school teaching methods and management strategies for improving achievement, aligned with Virginia's Standards of Learning, according to research-based best practices for large group, small group or individualized instruction and including students with diverse and/or special needs. Course includes field placement in area elementary/middle school. Prerequisites: EDU 301 and acceptance into teacher education program. Three credits.

Elemental Assessment

ENGL 101: Fundamentals of Grammar

An intensive study of the terminology and function of grammar. Beginning with the eight parts of speech, the course goes through complex forms such as absolutes, clauses and gerundives. The course concludes with a survey of modern theories of linguistics. Prerequisite: ENG 101 or permission of the instructor. Offered alternate years. Three credits.

ENGL 102: Introduction to Literary Criticism

Instruction in modern critical approaches to literature. Offered alternate years. Prerequisite: ENG 102. Three credits.

ENGL 103: Survey of English Literature

A survey of selected literary masterpieces from Classical times to the Renaissance. Prerequisite: ENG 102. Offered alternate years. Three credits.

ENGL 301-305: Writing Workshops

Writing workshops (ENG 301, 303, 304, and 305) are offered by private instruction only. Students enrolled in these courses will be charged the appropriate fees. Students wishing to enroll in writing workshops must inform the English faculty before the seventh week of the semester preceding that in which they wish to do so and confer with the instructors they want to work with. The instructors may give permission or require that the students submit portfolios of their writing as evidence of preparation for the work. Credits earned in writing workshops may not be used to satisfy genre requirements for the English major or minor. Two credits.

ENGL 400: Senior Honors Thesis

WslcYSRBUT*—JaKéyo*—JnKéyo*—JdKéyoST

Studies in drama

2 d e d i s s e d u e _ _ s l

Students are guided through the process of written communication through composing quality essays and research papers and orally presenting their writings. While using literature as the foundation for writing, researching, note taking, outlining, drafting and editing to completion are emphasized. The instructor works closely with each student to carefully examine the content and continuity of the writing. This course is taken in conjunction with ENG 101, English Composition, so that students can transfer the skills learned in ESL 121 to mainstream academic classes. Graduate students may choose to take ESL 121 as a stand-alone course. Prerequisite: ESL 106 or permission of the instructor. Three credits.

22 d e d i s s e d u e e e _ u l

Emphasis is placed on the principles of public speaking, including purpose, written development, pronunciation, vocabulary choice, delivery and practice. This course is taken in conjunction with MCOM 150, Principles of Public Speaking, so that students can transfer the skills learned in ESL 122 to mainstream academic classes. Graduate students may choose to take ESL 122 as a stand-alone course. Prerequisite: ESL 109 or permission of the instructor. Three credits.

_ l s

This directed study class is for the advanced ESL student who desires more focused instruction in English. ESL 195 can be taken on its own or coupled with any 100 or 200 level course in Arts & Sciences. Graduate students may choose to take this class along with any graduate-level course. Prerequisites: ESL 121, 122 or permission of the instructor. Three credits.

r d u _ _ l r e u d i e s

Intended for anyone interested in the environment, this course addresses the inter-related scientific, technological, economic, social, political and ethical dimensions of environmental issues. Offered each semester. Three credits.

i e d u r i s r

An introduction to natural science designed for students not majoring in either environmental studies or biology. Among the topics covered are weather, plate tectonics, geology of the central Appalachians, evolution, pond and stream ecosystems, field and forest succession, plant and animal biology, and the use of identification keys, topographic maps and instruments to measure environmental phenomena. Three lecture hours plus two-hour lab per week. Offered annually. ELAB 105 Field Natural History lab must be taken concurrently. Four credits.

2 2 r e s w e r _ _ d _ u

Examines the types, biological communities, ecological processes and environmental health of freshwater ecosystems. Emphasis is placed on nutrient cycling, trophic relationships and organisms' adaptations to life in ponds, lakes, streams, rivers and wetlands. In addition, freshwater pollution sources, effects, measurement techniques and control methods are addressed. Prerequisites: ES 101, or BIO 121 or BIO 122 or permission of the instructor. Offered in alternate years. Three lecture hours and three lab hours per week. ELAB 242 must be taken concurrently. Four credits.

2 l r e s s u e s e l r

An introduction to current issues and methods in the environmental professions and to selected scientists, thinkers and activists whose efforts have shaped the environmental studies field. The course includes field sessions, laboratory experiences and an examination of career opportunities. Intended for freshmen, sophomores and transfer students in environmental studies and natural sciences programs but open to all students. Does not meet any general education requirements. Two lecture hours per week. Prerequisite: One of the following: ES 101, ES 105, BIO 121 or permission of the instructor. Two credits.

Environmental Policy

An examination of environmental policies, policy formulation, and policy implementation at the community, state, national, and international levels. Programs, both public and private, to protect environmental quality and implement environmental laws and policies will also be addresses. Trips to the offices of government agencies and non-governmental organizations supplement lectures. Three lecture hours per week. Prerequisite: ES 101. Three credits.

Environmental Education

Discusses the history, settings, methods, and prospects for environmental education. Students examine environmental education curriculum materials, try out various teaching methods and discuss how the objectives of environmental education can be translated into programs and activities. Teaching sessions in various formal and informal education settings arranged. Prerequisites: BIO 121 and BIO 122 or ES 101, at least two natural science courses at the 200-level or above or permission of the instructor. Three-hour lecture plus three-hour laboratory per week. ELAB 340 Environmental Education lab must be taken concurrently. Four credits.

Environmental Research

An examination of selected research techniques for assessing environmental quality. The course includes field sessions, laboratory experiences and discussions with environmental professionals. Intended for juniors and seniors in environmental studies and natural sciences programs. Does not meet any general education requirements. Two lecture hours per week. Prerequisite: One of the following: ES 101, ES 105, ES 290 or BIO 321. Two credits.

Environmental Studies

Selected topics in environmental studies for reading, discussion, writing and project work. Offered as needed. Prerequisite: permission of the instructor. Two or three credits.

Directed Study

Directed study in a wide variety of areas of environmental studies. May be repeated for credit. Prerequisite: Permission of the instructor. One, two or three credits.

Environmental Studies Internship

Students combine academic study on a topic that is agreed upon with the instructor and professional experience in the environmental field working for a cooperating institution or agency. Student progress is monitored by a work supervisor in conjunction with Shenandoah University faculty. Forty work hours are required for each credit hour. One, two or three credits.

Community and Regional Studies

An examination of the processes that transform the natural environment and create the environments in which people live, plus class investigations of the ways communities deal with the problems they face. Students analyze environmental and social concerns in Winchester and in the central Appalachian region. Results presented orally and in written reports. A group project on a regional environmental issue resulting in a product useful to local citizens concludes the course. Three-hour lecture plus three-hour laboratory per week. Prerequisites: ES 101 and junior standing. SOC 101 or PSCI 101 recommended. ELAB 419 Community and Regional Studies Lab must be taken concurrently. Four credits.

2 Environmental Measurement Methods

This course assists students in understanding and applying selected scientific techniques used in ecology, field biology and environmental assessment. The class discusses ecological principles and environmental protection measures as they relate to the methods studied. Students contribute to one or more research projects of the Environmental Studies Program or other science programs at Shenandoah University. Students also have the opportunity to design their own related projects. Prerequisite: Ecology (BIO 321) or the equivalent. Three-hour lecture plus three-hour laboratory per week. ELAB 421 Environmental Measurement Methods Lab must be taken concurrently. Four credits.

2 Environmental Research

Students propose and conduct research on a topic of environmental interest. Two credits.

105.001 Introduction to Ethnomusicology

Emphasis on methods of study that support the view of musical expression within a cultural context. Topics include theoretical foundations, significant persons, organizational and material resources, regional studies, research topics and employment opportunities. This course is offered on an alternating schedule. Check with advisor for next offering. Prerequisite: Permission of the instructor. Two credits.

105.002 Analytical Methods in Ethnomusicology

Analytical methods in ethnomusicology described in terms of purpose, processes, historical and current practice, sources of data for analysis, specific approaches used in the *YJFKéyo*SPWR[WTBRByd—e

2 re r r d _ _ sll

Development of written expression with emphasis on expansion of vocabulary and attention to grammatical correctness. Prerequisite: FR 202. Three credits.

re r _ _ e | er ures

This course introduces students to literary works from the French/and Francophone world. Students will develop through the reading and discussions of works (narrative, prose, drama, poetry, visual materials) analytical skills and will become familiar with major writers of different cultures. Prerequisite: FR 202. Three credits.

re r _ _ e u ur _ | es

Students explore aspects of French and Francophone culture with an emphasis on cultural expression of contemporary works. We will examine through literary works, artifacts and technological production the impact of historical and political movements and learn about the values and beliefs of the respective cultures. Prerequisite: FR 315. Three credits.

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The course stresses improving comprehension and writ

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Introduction to Paleontology

This course includes a study of our geologic past with dinosaur paleontology as a central theme. Topics include analysis of paleontological evidence, evolutionary roots of dinosaurs, dinosaur behavior and physiology, and dinosaur extinction. The laboratory deals with preparation of dinosaur specimens and chemical conservation practices. One-hour lecture plus two-hour laboratory per week. Two credits.

Elementary German

For students who have had little or no exposure to German. This course introduces the student to spoken German through in-class conversational drills and recreations of everyday situations. Three credits.

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Elementary German

A continuation of GER 101, this course builds on the basic speech patterns acquired in the preceding semester and is intended to help the student make the transition from passive familiarity to active use of the language. Prerequisite: GER 101. Three

J e i s r e r e f r e s s i s

This course introduces the student to the history, theory, principles and decision-making frameworks found in the field of bioethics. The course addresses current ethical issues that challenge healthcare professionals and allows the student to use learned ethical theory and

er s i i s r

Experience in historic site administration and public history, gained through employment at historic sites, archives, and societies. May be repeated once. Prerequisites: HIST 101, HIST 102, HIST 103, HIST 104 and permission of the instructor. Three or six credits.

l e r r ssues i s r i es d useu s

In order for students to develop a lifelong appreciation for the value of preserving cultural and historic resources, this course is a fourteen-part seminar that exposes students to a wide range of contemporary social, historical, and scientific issues that confront historic preservation organizations in the United States and to the core values, ethics, and management techniques used to confront these issues. Prerequisites: HIST 240, HIST 241 and HIST 340. Three credits.

e ss e d e r J

An analysis of the Renaissance in Italy and Northern Europe and the Protestant and Catholic Reformations. Three credits.

e r e i r e d e e d u y

This course serves as the capstone seminar for all History majors. Students will discuss, research, write and present their historical work based upon selected historical subjects. Prerequisite: Junior or Senior standing or permission of the instructor. Three credits.

2 Emerging Technologies

An examination of emerging technologies and trends that will affect the information systems of the near and distant future. The course will critically evaluate those technologies that 1) are so new that most enterprises haven't exploited them or 2) are fairly well established, but businesses haven't fully exploited them. Emphasis will be placed on how these technologies will impact E-commerce. Prerequisite: ISCT 204. Three credits.

1 Web-based Systems

The purpose of this course is to introduce the student to the concept of expert systems development. The software package VP-Expert will provide the basis of the expert systems development and application to real life business decision-making and prototyping. Prerequisite: ISCT 307. Three credits.

3 Database Systems

Introduction to application program development in a database environment with an emphasis on loading, modifying and querying the database, discussion and application of data structures, indexed and direct file organizations and models of data including hierarchical, network and relational. Other topics include discussion of storage devices, data administration, data analysis, design and implementation. Prerequisite: ISCT 307. Three credits.

1 Distributed Systems

The features of centralized, decentralized, and distributed systems will be examined. Technology implications of computer hardware, software and communications are discussed as they relate to the design, development and implementation of distributed data processing systems. Prerequisite: ISCT 307. Three credits.

1 Multimedia

Topics include effective presentation of data input devices (scanners, cameras, microphones, etc.) audio sound, (analog, digital, MIDI, etc.) visual graphics, animation, video and movies, printing technology, color models, hypertext and hypermedia and storage technology (CD-ROM, etc.). Internet technology and Web page design are integrated throughout the course. Prerequisite: ISCT 307. Three credits.

3 Independent Study

Utilized for courses/subjects in information systems & computer technology, which are not offered elsewhere in the curriculum, and for individuals desiring to pursue a given issue, topic, or concentration further than obtainable in the regularly scheduled courses. May be repeated once. Prerequisite: BSB junior or senior standing. Three credits.

3 Internship

A link between the classroom and experience on the job, the internship provides qualified students a three-way arrangement among the professor-advisor, the employer and the student-employee. Students may obtain appropriate employment on their own or in conjunction with the internship advisor of the School of Business. A minimum of two 40-hour work periods is required for each semester hour of credit for which the course is taken. Prerequisites: BSB junior or senior standing and permission of the internship advisor. Three or six credit hours.

1 Italian I

For students who have had very little or no exposure to Italian. This course introduces the student to spoken Italian through in-class conversational drills and recreations of everyday situations. Three credits.

2 Italian II

A continuation of IT 101, this course builds on the basic speech patterns acquired in the preceding semester and is intended to help the student make the transition from passive familiarity to active use of the language. Prerequisite: IT 101. Three credits.

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Volleyball I

Course topics include volleyball game strategy, principles of practice and training, and team management.

PHYS 211 - Sports Ethics

An analysis of moral and ethical issues in organized sport. Topics will include issues in intercollegiate athletics, the Olympic movement, high school sport and the private sector. Three credits.

PHYS 212 - Exercise Science

An examination of the psychological dimensions of exercise and sport with emphasis on skill acquisition and preparation for athletic performance. Three credits.

PHYS 213 - Sports Nutrition

This course is a survey of the basics of nutrition with regards to its effect on exercise performance. The major focus of discussion will be the impact of diet on health, prevalence of disease and especially sport performance, with significant emphasis on sports supplements and weight control. Prerequisite:

Introduction to Law

A presentation of the basic legal system, its terminology, and principles as applied to professional and amateur sports. Emphasis is on identifying and analyzing legal issues, the ramifications of those issues, and the means of limiting the liability of sport organizations. Topics include tort law, product liability, contract law, administrative law, and the legal system. Prerequisite: Permission of instructor. Three credits.

Health and Fitness Instructor Exam Preparation

Students preparing for the ACSM's Health and Fitness Instructor Exam or the NSCA Certified Strength and Conditioning Specialist Exam will attend weekly review and quiz sessions for a chapter-by-chapter overview of the exam materials. A practice exam will be administered at the end of the semester. Prerequisites: Senior standing and completion of the following KIN courses: 252, 283, 284, 340, 352, 381, 384 and 387. Concurrent enrollment is acceptable if all other courses have been completed. Two credits.

Gender and Sport in Media

This course examines media depictions of gender and sport through an examination of media texts including sports broadcasts, newspaper and magazine articles and documentary and feature films. Particular emphasis is placed on the social and mediated constructions of femininity and masculinity in sport. Prerequisite: MCOM 101. Three credits.

Planning and Designing Athletic Facilities

This course provides an overview of the fundamentals of planning, designing and managing athletic, physical education, recreation and sports facilities. Areas of study include: risk management in sports facilities, ADA compliance, facility access variables and security issues for participants and spectators. Three credits.

Race and Sport in Media

This course examines media depictions of race and sport through an examination of media texts and in-classroom role-play activities. Prerequisite: MCOM 101. Three credits.

Developmental Psychology

The developmental approach advocated in this course attempts to apply knowledge of children's growth and motor development in a comprehensive manner, recognizing

2 edi i s

This course considers the ethical issues facing communication students, professional journalists and media practitioners. Students will be provided with ethics principles, models and theories to work through ethical issues and moral dilemmas. Three credits.

2 ders di _ ies

This course provides an introduction to motion pictures as an artistic and cultural form, as well as film's relationship to other popular media. The course content explores movies' narrative conventions; the stylistic conventions of lighting, cinematography, sound and editing; and how they communicate to mass audiences in popular genres like the Western, science fiction, the musical, women's films and film noir. No prerequisite. Three credits.

2 ew _ u i j e _ _ ies

An overview of recent technological developments and their impact in the field of mass communication. Students will be introduced to new communication technologies and applications including desktop publishing, multimedia, desktop video, presentation software and Web page design. Three credits.

u i e j s r i i

This course examines the forms of informational and persuasive writing used in the public relations field. Emphasis is on developing the writing and research skills necessary for producing various types of public relations copy including news releases, public service announcements and audiovisual scripts, as well as copy for newsletters, brochures, annual reports and press kits. Prerequisite: MCOM 205. Three credits.

ss edi e r d ese r

This course is designed to familiarize students with the social science research methods most commonly used in mass communication. It also examines the theories which have been shaped and informed by media research. Students will design and conduct a media research project. Prerequisite: MCOM 101 or permission of instructor. Three credits.

ss edi d _ ie

This course is designed to increase the student's understanding of the impact of the mass media on society and the way these effects have evolved and increased over time. Issues examined include freedom and responsibility of the media, sex and violence in media, portrayals of minorities and women, media and democracy and the emergence of mass culture. Prerequisite: MCOM 101 or permission of instructor. Three credits.

2 r i j _ u i j

This course examines the internal and external systems of communication, including small group, interpersonal and public communication. It provides opportunities for developing organizational skills, identifying problems

ENGL 102

This course focuses on sports writing, reporting and editorial practice for print, broadcast and online media. Prerequisite: ENG 101. Three credits.

ENGL 103

This course is designed to familiarize students with the kinds of oral and written communications needed to succeed in business and professional contexts. Prerequisite: ENG 101. Three credits.

2 e I r I er u ur _ u I J

This course examines the relationship between culture and communication with an emphasis on theory and practical application in intercultural contexts. Ethnography and other approaches will be used to study interpersonal and public communication among people from different cultures. Prerequisite: Completion of cross-cultural requirements or permission of instructor. Three credits.

2 u I r Irs e r I

This course introduces student to covering government (primarily state and local), public schools, courts, crime, and social services. Using Winchester and Frederick County as their laboratory, student will cover city and/or county government and school board meetings, courts, the police beat, the environment, health care, and other public policy stories. Prerequisite: Co-constructing 2 credits.

This series

2 u r i e u s

The study of vector-valued functions, partial derivatives, multiple integrals, vector fields, and their applications. Offered fall semester of even years. Prerequisite: MATH 202. Three credits.

s i e _ _ I e I s d u _

Calculators and computer software are important tools for doing mathematics. How teachers use these tools affects how well students learn mathematics. This course offers opportunities for pre-service teachers in middle and secondary schools to explore the applications of technological tools for learning and teaching mathematics. Prerequisites: 12 credit hours of mathematics courses. Three credits.

2 I s r e e

Discrete mathematics is concerned with structures of objects that can assume only distinct values, often characterized by integers. Combinatorics, graph theory, algorithms and recurrence relations are a part of this course. Prerequisite: MATH 102 or equivalent. Three credits.

e e r e r _ _ u e r s

Selected topics in Number Theory including divisibility, Euclidian algorithm, congruencies, residue classes, Euler's Function, primitive roots, Chinese remainder theorem, quadratic residues, and Gaussian integers. Offered fall semester of even years. Prerequisite: MATH 102. Three credits.

I e r e I u _ s

The study of the methods, theory and applications of differential equations including first order and linear second order equations, series solutions, and the Laplace transform. Offered spring semester of odd years. Prerequisite: MATH 202. Three credits.

I s r _ _ e I s

Study of the development of mathematics from classical antiquity through the end of the 19th century. Focuses on the critical periods in the development of areas of mathematics such as equation solving, geometry, calculus, number theory and probability. Offered fall semester of odd years. Prerequisite: MATH 201. Three credits.

u e r I s i s

An introduction to numerical solutions to problems. Topics include solution of equations, interpolation and approximation of polynomials, numerical differentiation and integration, summation of series, and use of orthogonal polynomials. Assignments using a computer and mathematical software packages are important components of this course. Offered spring semester of odd years. Prerequisite: MATH 202. Three credits.

I r e e d u d i e s

Selected topics in mathematics. Prerequisite: Permission of the instructor. One, two or three credits.

r d u _ _ d e r e r

A study of sets, mappings and algebraic concepts such as groups, rings, integral domains and fields. Prerequisite: MATH 102 or permission of the instructor. Three credits.

I e e r

Examination of fundamental topics in Geometry from an advanced viewpoint. The historical development of Geometry and topics from Non-Euclidean geometry are included. Offered fall semester of even years. Prerequisite: MATH 102 or permission of the instructor. Three credits.

2 e s i s

Real Analysis is the study of the theory behind calculus. Based on the development of the basic theorems of calculus, this course includes limits, continuity, differentiability, integrability, sequences and infinite series. Prerequisites: MATH 302 or permission of the instructor. Three credits.

2 u _ s _ e . r I e

A study of the complex variable including analytic functions, Cauchy-Riemann equations, Cauchy's Theorem, Laurent series, and residues. Prerequisite: MATH 302 or permission of the instructor. Three credits.

e s e r e l r

This is a capstone course for the mathematics major. The student is expected to find an interesting mathematics topic to explore and pursue it in-depth. The student is expected to write up the results of this exploration in a research paper and do a presentation on the research as a part of this course. Prerequisite: Junior or senior standing and permission of the instructor. Two credits.

d e d _ l s

Study of specific topics, issues or themes within the field of mathematics. prerequisite: Permission of the instructor. One, two or three credits.

e l s r e e e r d i d d e _ _

Concepts and theories underlying elementary school mathematics, including systems of numeration, whole numbers and integers, operations with integers, equations and inequalities, number theory, probability and statistics. Intended for school educators. Prerequisites: MATH 101 and MATH 207 or the equivalent. Three credits.

e l s r e e e r d i d d e _ _

A continuation of MATH 335. Topics include fraction models and operations, real numbers, patterns and functions, algebra, geometry and measurement. Intended for school educators. Prerequisite: MATH 335. Three credits.

, e l l _ r d s r u e _ d u l

Effective musicianship through the study of fundamentals of conducting, including patterns, baton technique, score reading, and rehearsal techniques for choral and instrumental music as these skills relate to teaching music performance ensembles. Students will acquire basic competency in rehearsing and conducting choral ensembles and combined vocal and instrumental school groups. In addition, the program shall provide instruction in business procedures, organization and management for large and small choral ensembles. A minimum grade of "C" is required to pass this class in the Bachelor of Music in Music Education curriculum. One and one-half credits.

_ r _ d u l

Further refinement of effective musicianship through the development of skills in conducting, score reading, teaching music courses, rehearsal techniques for choral and instrumental music, business procedures, organization and management of large and small choral ensembles. Focus will be primarily on choral conducting with additional emphasis on acquiring competency in rehearsing combined vocal and instrumental school groups. Prerequisites: MUCO 361, MUTC 201, MUTC 203 and MUTC 205. A minimum grade of "C" is required to pass this class. One and one-half credits.

s r u e _ d u l

Further refinement of effective musicianship throughout the development of skills in instrumental conducting, score reading, teaching music courses, rehearsal techniques for choral and instrumental music, business procedures, organization and management of large and small instrumental ensembles. Focus will be primarily on instrumental conducting, with additional emphasis on acquiring competency in rehearsal combined vocal and instrumental school groups. Prerequisites: MUCO 361, MUTC 201, MUTC 203 and MUTC 205. A minimum grade of "C" is required to pass this class in the Bachelor of Music in Music Education curriculum. One and one-half credits.

d e d _ r _ d u l

Study and interpretation of the standard choral repertoire. Prerequisites: MUCO 363, MUTC 201, MUTC 203 and MUTC 205. Two credits.

d e s r u e _ d u i

Baton technique and critical examination of

2 re- d e e r r e e r u s i e _ ds

A study of the various methods and materials used in the teaching of choral and general music in pre-kindergarten through grade six including curriculum design with national and state music standards as well as performing, responding and creative assessments. Course experiences are highly participatory to facilitate improvement of musical and pedagogytsc

Directed Teaching in Elementary Music 2

Component designed to be taken in conjunction with MUED 322 or MUED 330. This experience provides practical application of the teaching skills and strategies discussed in the methods class. A minimum grade of "C" is required to pass this class. Corequisite: MUED 322 (Choral/General concentration) or MUED 330 (Instrumental concentration). One credit.

Directed Teaching in Secondary Music

Component designed to be taken in conjunction with MUED 323. This experience provides practical application of the teaching skills and strategies discussed in the methods class. A minimum grade of "C" is required to pass this class. Corequisite: MUED 323. One credit.

2 Directed Teaching in Public Schools

Observation and teaching in the public schools under the direct supervision of public school faculty and Shenandoah Conservatory faculty. (At present, the minimum number of directed teaching hours is 300, which is subject to change, as specified by the Virginia Board of Education to fulfill teacher licensure requirements. The student teaching experience as required by Shenandoah Conservatory, including observation, teaching and seminars, is a full semester in duration.)

Prerequisites for both concentrations: Completion of pre-directed teaching observation and personal screening; successful completion of the Sophomore Screening in Music Education; completion of competencies in public speaking and technology; minimum cumulative grade point average of 2.5; completion of AP**322; and a minimum grade of "C" in specific prerequisite courses listed below:

Choral/General Concentration prerequisites: APCP 306, MUCO 363, MUED 130, MUED 135, MUED 235, MUED 321, MUED 322, MUED 323, MUED 325, MUED 333, MUED 334, MUED 335, MUED 236, MUPP 304, MUTC 201, MUTC 204 and MUTC 206.

Instrumental Concentration prerequisites: APCP 306, MUCO 364, MUED 130, MUED 135, MUED 235, MUED 236, MUED 329, MUED 330, MUED 333, MUED 334, MUED 236, MUPP 303, MUPP 313, MUPP 314, MUPP 316, MUPP 317, MUPP 318, MUPP 319, MUTC 201, MUTC 204 and MUTC 206.

Five credits each, taken concurrently.

2 Directed Teaching in Elementary and Secondary Music

This seminar, taken concurrently with Directed Teaching in Elementary and Secondary Music, is designed to assist students to become caring, reflective educators by providing a forum for collaborative, critical inquiry based on their student teaching experience. The course offers opportunities and frameworks for this type of

1100-TW-0100-BZD

Orchestra

A concert organization that studies and performs the standard orchestral literature and contemporary compositions. Membership is required of string majors and open to wind and percussion students by audition. Prerequisite: Audition. Two credits.

Jazz Ensemble

Consisting of full sections of trumpets, trombones, saxophones, rhythm section instruments, and other instruments needed for various arrangements, the jazz ensemble is a select group dedicated to performing music ranging from the style of the "big bands" to contemporary and experimental jazz forms. In addition to developing jazz skills, the musicians develop facility in jazz composition, arranging and improvisation. Prerequisite: Audition. Two credits.

Guitar Ensemble

An ensemble that performs music composed or arranged for multiple guitars. Prerequisite: Audition. Two credits.

Sacred and Secular Choral Music

A select group of singers who perform sacred and secular choral music ranging from Renaissance to contemporary compositions. Prerequisite: Audition. Two credits.

Mixed Vocal Ensemble

A mixed vocal ensemble that performs sacred and secular choral music. Emphasis is also placed upon the development of basic choral skills. Prerequisite: Audition. Two credits.

Treble Choral Music

A select choral organization that performs music written especially for treble voices. Prerequisite: Audition. Two credits.

Keyboard Accompanying

For keyboard majors in performance pedagogy and accompanying curricula. Consists of four clock hours of assigned accompanying responsibilities per week (2 hours in studio; 2 hours in rehearsal or the equivalent as determined by the accompanying coordinator), with regular individual coaching by members of the keyboard faculty. Formal instruction in the art of piano accompanying, including the study of vocal and instrumental literature, differing musical styles and performance practices from the earliest material through the present. Prerequisite: Audition. Two credits.

Chamber Music

Vocal Chamber Music

A vocal group that performs an eclectic repertoire of a cappella jazz, pop and world music. Designed for students interested in studying repertoire drawn from the popular music tradition, this vocal chamber group consists of a select ensemble of eight to twelve singers. Prerequisite: Audition. One credit.

Double Bass Ensemble

An ensemble performing original compositions and transcriptions for homogeneous double bass ensemble. Prerequisite: Audition. One credit.

Large Mixed Ensemble

A large, mixed: Auditions

U n i v e r s i t y

This combo is designed to expand upon the student's improvisation and interpretative skills in a jazz chamber music setting. Emphasis will be placed on standard repertoire from the swing era up to the present. Student arrangements are encouraged. Particular attention will be focused on ear training and listening skills with respect to chord/scale recognition in improvisation. The student may also be required to memorize some or all of the repertoire. Prerequisite: Audition. One credit.

Chamber Vocal

A highly selected mixed vocal group of limited size that performs vocal chamber music of all periods. Prerequisite: Audition. One credit.

2 Contemporary Chamber

A mixed ensemble of indeterminate personnel, open to both singers and instrumentalists, that regularly performs contemporary chamber music and features premiere performances of new works as often as possible. Prerequisite: Audition. One credit.

Instrumental

An orchestra that plays for music theatre productions. Specific instrumentation needed is determined by the production offered, but typically would include: five woodwinds (doubling), five to eight brasses, strings (3,2,2,1), piano and percussion. Prerequisite: Audition. One credit.

Small Instrumental

A small instrumental ensemble of no more than 20 performers that performs music suitable for home football events. May not be used to fulfill any curricular ensemble requirement in the conservatory. Offered in the fall semester. Prerequisite: Audition. One credit.

Brass Ensemble

Small brass ensembles, mainly brass quintets, coached by faculty members of the brass faculty. Membership on a yearly basis. Prerequisite: Audition. One credit.

2 Woodwind Ensemble

Various ensembles of woodwind instruments in diverse groupings whose repertoire includes standard quartets and quintets. Prerequisite: Audition. One credit.

String Ensemble

Preparation and performance of standard string ensemble literature (duo, string trio, piano trio, string quartet, piano quartet, etc.). Prerequisite: Audition. One credit.

Saxophone Quartet

One or more student saxophone quartets are formed each semester to perform standard quartet literature from the French, German, and American schools. Prerequisite: Audition. One credit.

Flute Ensemble

An ensemble performing music for flute groups of varying size. Prerequisite: Audition. One credit.

University Guitar

Performance of repertoire expressly composed or arranged for guitar duo, trio, or quartet. Enrollment is limited and each student will be expected to assume total responsibility for one part. Prerequisite: Audition. One credit.

Cello Ensemble

An ensemble performing original compositions and transcriptions for homogeneous cello ensemble. Prerequisite: Audition. One credit.

Jazz Chamber Music

These jazz combos are designed to expand upon the student's improvisation and interpretive skills in a jazz chamber music setting. Emphasis will be placed on standard repertoire from the swing era up to the present. Student arrangements are encouraged. Particular attention will be focused on ear-training and listening skills with respect to chord/scale recognition in improvisation. The students may also be required to memorize some or all of the repertoire. Prerequisite: Audition. One credit.

2 **– r d u s i s e e**

Contextual study, rehearsal, and performance of vocal and instrumental music primarily associated wit

ur e - r d usi - u si idde s ur e

Study of contemporary music indigenous to South Asia/Middle East/Europe. Analysis and comparison of tonal and rhythmic attributes. Promotion of socio-cultural awareness. This course is offered onis course is offered on

2 e r i i u i r s s

A class for anyone who would like to learn the basics of playing the guitar. The course will cover basic music reading, chord building, song accompaniment, playing solos and the guitar heritage. Prerequisite: Permission of the instructor. One credit.

e r d i s e s e s i d i j

Acquaintance for musicians with appropriate applications of hardware used to record musical performances. A minimum grade of "C" is required to pass this class. Prerequisite: Permission of the instructor. Two credits.

2 e r d i s e s e s i d i j 2

A continuation of MUPP 151. Aspects and applications of recording studio techniques, including editing, session set-ups, mixing, console flow logic, patch bay applications and microphone placement. Two hours of studio time per week accompany the class. A minimum grade of "C" is required to pass this class. Prerequisite: MUPP 151 or permission of the instructor. Two credits.

2 e r d i s e s u d i i e

Course provides a laboratory experience to parallel the content of MUPP 152, Recording Systems 2. Weekly small group sessions provide practical experience with equipment and techniques utilized in MUPP 152. A studio recording fee is assessed. Prerequisite: MUPP 151. One-half credit.

22 e r e r i i

Use of dramatic techniques in the interpretation and performance of operatic music. Basic acting for the operatic stage, movement, improvisation, makeup, period dances, and techniques of relaxation. Prerequisite: TH 101 or 105 or by permission of instructor. One credit.

22 e r e r i i 2

A continuation of Opera Stage Training 1. Acting of operatic roles in different periods and styles including pantomime, spoken dialogue, recitatives and short scene study in English. Prerequisite: MUPP 225. One credit.

2 i e s s

Designed for non-voice majors, this course is a study of vocal physiology, diction, tone production and performance. Vocal literature, voice classification and vocal health will be discussed. Classes will be oriented toward performance improvement. Prerequisite: Permission of the instructor. One credit.

2 u d i i

Practical experience through assigned accompanying responsibilities coordinated by a member of the piano faculty. Required of all keyboard majors in non-performance curricula. Prerequisite: Permission of the instructor. Zero or one-half credit.

2 e e e d i s s

Practical instruction in the gouging, shaping, tying and scrap—Jkyyo*—Jk (K)Y X BR By S y a C O R S S y m e s i c o r e B y n e s a m y O

2 - u d e l r e e r i u

Practical application of equipment used for sound reinforcement, including small, large, portable and fixed systems; specifications on instrumentation, nature of music performed and location; set-up, microphone placement and equipment selection; and practical application through working as a sound technician for a variety of on-campus performances in a variety of venues. This course is offered on an alternating schedule. Check with advisor for next offering. A minimum grade of "C" is required to pass this class in the MPRT curriculum. Prerequisite: MUPP 251. One credit.

2 r du j - du u

er ussi e l e l ues

Fundamental playing techniques of percussion instruments. Focus includes survey of teaching techniques and materials, competency in rehears

Business Studio

A study of the business of studio teaching and management. Individual project resulting in the development of studio policies, resume and other materials appropriate to the successful operation of an independent teaching studio. This course is offered on an alternating schedule. Check with advisor for next offering. Prerequisite: Permission of the instructor. (Formerly MUPP 428). One credit.

Recital

Presentation of a half recital, including classical music and jazz performances, may be undertaken by a Conservatory student after AP**200-level study has been completed. Students in non-Conservatory curricula may undertake a half recital after four semesters of study. The length of each half of the recital is not to exceed 25 minutes of music. Prerequisite: Permission of the instructor. Concurrent enrollment in applied study is required. One credit.

Devotion

A course devoted to deve

2 er _ r s

In-depth study of scenes selected from the standard operatic repertoire. In addition to background research and character development exercises, the course culminates in a public performance of excerpts performed in the original language, with minimal sets and costumes. Emphasis is on the expressive use of the body and the language. Offered each semester. May be taken multiple times. Prerequisites: MUPP 225 and MUPP 226. Two credits.

_ d u _ _ e i i _ i e

Emphasis on the analysis of teaching problems and the development of vocal technique through the study of anatomical structures and physiological mechanisms as applied to singing. A study of how the human voice physiologically emerges from the body through the combined blending of body actions that overlap and assist each other, specifically: posture and movement, respiration, phonation, resonance and articulation. Analysis of the voice as an acoustic chain. Practical application and laboratory experiences include supervised private teaching. This course is offered on an alternating schedule. Check with advisor for next offering. Prerequisite: completion of APVO 200-level study or permission of the instructor. Three credits.

u e i

Presentation of a full recital, including solo classical, accompanying and/or jazz performances. May be undertaken at any time after AP** 300-level is begun by Conservatory students. Non-Conservatory students may undertake a full recital after six semesters of study. Prerequisite: Permission of the instructor. Concurrent enrollment in applied study is required. Two credits.

usi _ r du _

This course is intended for students who expect to be in a recording studio as a musician, writer or producer. A study of console mixing from multi-track to stereo or mono format, using multi-band equalization, pan pots, reverberation and outboard effects such as compressors and limiters. A minimum grade of "C" is required to pass this class. Prerequisites: MUPP 351, MUPP 252, MUTC 419 and MUTC 420. Two credits.

2 usi _ r du _ 2

A continuation of MUPP 461, culminating in a final project which the student must compose, produce and record. A minimum grade of "C" is required to pass this class. Prerequisite: MUPP 461. Two credits.

i d w e i ues

A one-hour lab that provides a laboratory supplement to the work done concurrently in Music Production 1. A minimum grade of "C" is required to pass this class. Prerequisite: MUPP 351. One-half credit.

i d w e i ues 2

A one-hour lab that provides a laboratory supplement to the work done concurrently in Music Production 1. A minimum grade of "C" is required to pass this class. Prerequisites: MUPP 461 and MUPP 463. One-half credit.

usi _ r du _ d e rdi e _ _ er s i

Internship to provide the opportunity to apply expertise gained in controlled classroom to a realistic situation. Minimum requirement of 150 hours of practical experience. Prerequisites: MUPP 462, MUPP 472, MUPP 464, MUPP 253, MUPP 354 and MUTC 452. Three credits.

usi _ r du _ udi i e

Course provides a laboratory experience to parallel the content of MUPP 461, Music Production 1. Weekly small group sessions provide practical experience with equipment and techniques utilized in MUPP 461. A studio recording fee is assessed. A minimum grade of "C" is required to pass this class. Prerequisite: MUPP 351. One credit.

2 usi _ r du _ 2 udi i e

Course provides a laboratory experience to parallel the content of MUPP 462, Music Production 2. Weekly small group sessions provide practical experience with equipment and techniques utilized in MUPP 462. A studio recording fee is assessed. A minimum grade of "C" is required to pass this class. Prerequisite: MUPP 471. One credit.

e l _ l s

Inves

2

usi e r r usi e re

An introduction to counterpoint, tonal harmony, and phrase structure for musical thea

e r

A course designed to equip the student with theory skills necessary to successfully improvise in the jazz idiom. Lead sheet notation, modes, and harmonic analysis are emphasized, as well as an introduction to jazz style. Prerequisite: Permission of the instructor. Two credits.

2 e r 2

A continuation of Jazz Theory 1, with a review of chord/scale relationships, modal interchange, voicings and voice leading, non-harmonic tone treatment, melodic elaboration, chord substitution, rhythm changes, Coltrane matrix and extensive exploration of solo analysis. Prerequisite: MUTC 311 or permission of the instructor. Two credits.

r d sis

A study of the various structural elements of music: melodic, rhythmic, harmonic, and textural. Emphasis on traditional structural concepts and terminology, from sub-phrases to Byrd, Unit 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. Keyo*—JK

2 Arranging

Fundamentals of arranging techniques and vocal arranging, supported by practical writing assignments.
Prerequisite: MUTC 201. Two credits.

22 Orchestration

Principles and techniques for use of orchestral instruments. Study of ranges, voicings, timbre and idiomatic characteristics supported by practical scoring for each group and for various combinations of all instruments.
Prerequisite: MUTC 201. Two credits. Descriptions • 330

2

u s i e r e r s i

Internship requires a minimum of 900 hours of clinical music therapy services under the supervision of a board certi

2 **edi** **er** **L** **_**

This course is designed to assist the student in developing basi

e r s s e i e s d u s

This course facilitates further development of nursing knowledge

PHIL 102: Philosophy of Science

An intensive study of some of the major and perennial problems of philosophy, religion, and science.
Prerequisite: PHIL 101. Three credits.

PHIL 103: Philosophy of Religion

2 Introduction to Microcomputers

Topics to be covered include microcomputer system components and how they function, instruction sets and how they are programmed, input/output controller design and A/D and D/A converters. Selected experiments conducted to obtain hands-on experience with micro-computer circuitry. Three-hour lecture plus three-hour laboratory per week. Prerequisite: PHYS 122. Four credits. PHYL 201 Introduction to Microcomputers lab must be taken concurrently.

22 Introduction to Modern Physics

An introduction to post-classical physics as based upon modern physics. Topics include special relativity, quantum mechanics, atomic and nuclear physics, and particle physics. Prerequisite: PHYS 122. Four credits. PHYL 201 Introduction to Microcomputers lab must be taken concurrently.

2

Introduction to the History of the United States

This course is designed as

... s t u d e s

An analysis of Supreme Court decisions throughout the nation's history affecting the three branches of the national government and federal/state relations. Recommend PSCI 101 and PSCI 201 or the permission of the instructor. Three credits.

r i d e r s

Aobgrsehr

2 Theories of Personality

A critical examination of the major theories, past and present, that have been proposed to explain individual differences in behavior. Prerequisite: PSY 101. Three credits.

22 Developmental Psychology

This course provides students with an understanding of the biological, cognitive and socioemotional changes occurring during adolescence, and factors that may individually influence these changes, such as the family, culture, gender, peer group, media and school. Prerequisite: PSY 101. Three credits.

2 The Adult Development Course

This course is a study of the stages and processes of adult development from young adulthood until death. Developmental theories and research from many disciplines are used to investigate the continuity and change that define the journey of adulthood. Prerequisite: PSY 101. Three credits.

2 The Psychology of Learning and Motivation

This course applies the principles of psychology and psychological research methods to the teaching and learning processes in the classroom. Theories of learning and motivation as well as strategies for classroom management, effective teaching and student assessment are examined with regards to both children exhibiting "typical" development and children with exceptionalities. Socioeconomic, cultural, ethnic and gender influences also are emphasized. Prerequisite: PSY 101. Three credits.

Learning Theories and Therapeutic Applications

Learning theories and their application to therapeutic situations are presented. Classical conditioning, operant conditioning, and social learning are presented and applied to clinical settings. Prerequisite: PSY 101. Three credits.

Social Interaction

An investigation of how individuals interact with each other in varying social contexts, including emphasis on social cognition and social influence. Prerequisite: PSY 101. Three credits.

Biological Psychology

This is a course about the biology of behavior. Special attention is given to sex, drug action and addiction, perception, sleeping and eating. Other topics include: the neural substrates of eating disorders, schizophrenia, memory and autism, as well as

2 - I d e r s I e e e

This course addresses the theory and research related to social and personality development, from infancy to young adulthood. Through readings and discussion, students will examine the complex interplay between nature and nurture with regards to the formation of first attachment relationships and their influence on later social and personality development. Prerequisite: PSY 101. Three credits.

2 - s i e d d e d e d d u u s t e 2 d v s u i f d d e d r u

This course examines gender and culture drawing examples from the fields of psychology, anthropology, religion and history. Special attention is given to how biological and cultural factors work in concert with our psychological perceptions to shape our definitions of sex/gender and how this impacts our daily lives. To*

Introduction to World Religions

A wide-ranging study of religious thought and experiences. Both Christian and non-Christian ideas examined. Offered yearly in the fall. Three credits.

Global Context of Christian Leadership

This course explores the global context of 21st century Christian leadership. It examines the challenge of Christian mission and leadership in a post-modern and post-Christian world. Three credits.

2 Christian Discipleship

This course will focus on the beliefs, attitudes and practices that define Christian discipleship. Drawing upon both film and a variety of types of texts, the course will explore the challenges of discipleship in a post-modern world.

REL 101

This course serves as an introduction to Christian Systematic Theology and considers the purpose of and methods for engaging in systematic theological reflection, the nature of God as Trinity, the person and work of Christ (Christology and Soteriology), the work of the Holy Spirit (Pneumatology), the nature and ministry of the Church (Ecclesiology) and Christian Hope (Eschatology). Prerequisites: PHIL 120 and REL 111 or permission of the instructor. Offered alternate years in the fall. Three credits.

REL 102

This course examines basic Jewish beliefs, sacred texts, customs/ceremonies, Holy Days (the Jewish year), as well as the most common issues facing modern day Jews and Judaism. Prerequisite: REL 101 or REL 111 or REL 202 or permission of the instructor. Offered alternate years in the fall. Three credits.

REL 103

This course examines the major philosophies and religions of Asia, including Hinduism, Buddhism, Taoism, Confucianism and Shinto. Particular attention will be paid to conceptions of self, nature, divinity and ethics. The course examines the ways in which these religions have influenced each other. Prerequisite: PHIL 101 or PHIL 120 or REL 101 or REL 202. Offered alternate years in the fall. Three credits.

REL 104

This course provides a general introduction to Islam. It considers the history, doctrines and cultic and devotional practices of Islam. The emergence of Islamic Fundamentalism and political Islam in the 20th century considered. Prerequisites: Two courses in religion or philosophy or permission of the instructor. Offered every four years in the spring. Three credits.

REL 105

In this course, students examine the educational ministry of the church. Some of the key topics include the teaching style of Jesus, theories of Christian education, the formation of Christian identity and conscience, theories of faith development, leadership development and practical issues related to resources, curriculum and programming. Prerequisites: REL 111 or REL 212 and REL 225 or REL 251 or REL 301 or permission of

e | J | d | _ | _

This course examines and evaluates the beliefs, attitudes and practices of the major religious traditions as they pertain to human interaction with the natural world. It will help students understand the relation of religion and ecology and to become acquainted with the thought of the best thinkers in this emerging field of study. Prerequisite: Completion of the general education requirements in natural sciences and moral reasoning. Three credits.

_ | J | S | I | e | J |

Selected topics in religion for intensive reading, discussion and writing. Prerequisite: Any 100- or 200-level religion course or permission of the instructor. Three credits.

e | J | r | I | e | J |

An intensive seminar on a current Biblical or theological topic. Prerequisite: Nine credits of religion beyond the 100 level. Three credits.

2 | r | I | u | I | I | S | r

In this course, a student serves as an apprentice in ministry at a local church or agency. The course offers students an opportunity to explore, in a practical way, a particular aspect of the ministry of the church while receiving on-site and faculty supervision. Prerequisites: REL 321, enrollment in the Christian Leadership program and permission of the instructor. Two or three credits.

22 | r | I | u | I | I | S | r

A continuation of REL 421. Prerequisites: REL 421, enrollment in the Christian Leadership program and permission of the instructor. Two or three credits.

erdis | I | I | r | _ | I | S

This course is designed to make available areas of study in religion and its relation to other disciplines that are not included in the regular course offerings. It may be taken as an Independent Study. Since the content will vary, this course may be repeated once for credit. Prerequisites: Nine credits in philosophy or religion above the 100 level. Three credits.

r | J | es ur es | r | ude s

An introduction to the use of print and electronic information resources that are necessary for ESL student success at the college level. The course aims to acquaint those students with best practices for finding, evaluating and utilizing information in proprietary online databases, as well as utilizing Blackboard, MS Office Suite and other online resources at SU. Note: This course is designed specifically for those students for whom English is a second language. Students may not take both RSCH 190 and this course for credit. Three credits.

r | J | I | er

Research 190 introduces students to a variety of traditional print and electronic information resources including proprietary online databases and specially selected free Internet sites. Students will learn how to develop search strategies for electronic databases and how to critically evaluate the materials found. Additionally, students will learn to use computer mediated communication tools to disseminate information including word processing, presentation and Web page creation software. Please note – bibliographic research is the heart of this course; less than 15 percent of class time will be devoted to software training. Three credits.

Neonatal/Pediatric Respiratory Care

An in-depth study of neonatal/pediatric anatomy, physiology, growth and development; physical, radiological, laboratory and risk assessment; general principles of management of the sick neonate and child; and special considerations in neonatal/pediatric pharmacology as each applies to respiratory care of the neonatal/pediatric patient. Offered in the fall. Three credits.

Neonatal/Pediatric Pathophysiology

An in-depth study of neonatal/pediatric pathophysiology including parenchymal disease, obstructive airway disease, lesions of the lungs and airways, congenital abnormalities, respiratory distress syndrome, apnea disorders, neurological disorders and trauma as each applies to respiratory care of the neonatal/pediatric patient. Offered in the fall. Three credits.

Neonatal/Pediatric Respiratory Care Equipment

An in-depth study of the application of respiratory care equipment, procedures and techniques in the management of the neonatal/pediatric patient. Offered in the fall. Three credits.

Respiratory System

This course is the foundation of anatomy and physiology of the heart and lungs. It begins with a comprehensive study of the respiratory system including structure and function, pulmonary mechanics, ventilation, oxygenation and acid-base balance. Other topics include cardiac cycle, hemodynamics, fetal circulation and effects of exogenous factors on the respiratory system.

2 I I e I I du r I I re

Application in the clinical setting of equipment and procedures studied in RC 351 and RC 452. The emphasis is on the delivery of respiratory critical care to thoracic and cardiovascular surgery patients. Three credits.

2 I I e I I du r I I re

This course complements RC 462 with the application in the clinical setting of equipment and procedures studied in RC 351 and RC 452. The emphasis is on the delivery of respiratory critical care to medical/surgical ICU and neurological ICU patients. Three credits.

8 e e ed _ I S I es Ir _ r re de e de ud

This independent study allows students to investigate selected issues in

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Theoretical and empirical analysis of the relationship between the individual and society with particular emphasis on the formation of self. Emphasis on symbolic interactionism. Three credits.

eder ssues

This research-based course examines a number of topics related to sex differences and sex equity. Emphasis placed on historical and contemporary American perspectives. Focus placed on the following topics: biological/genetic theories, socialization, work, family, etc.

IS 202 - Spanish I

Development of oral expression and fluency with emphasis on expansion of vocabulary and attention to grammatical correctness. Offered in the fall of every year. Prerequisite: SPAN 202 or equivalent. Three credits.

IS 202 - Spanish II

Development of written expression, with emphasis on expansion of vocabulary and attention to grammatical correctness. Offered in the spring of every year. Prerequisite: SPAN 202 or equivalent. Three credits.

IS 301 - Spanish Literature I

Students study the history, civilization and culture of Spain through extensive readings, videos, writing and class discussion. Prerequisite: SPAN 202 or equivalent. Three credits.

IS 302 - Spanish Literature II

History and culture of Latin America from the Encounter to the present day. The course is taught in Spanish. Prerequisite: SPAN 202 or equivalent. Three credits.

IS 303 - Spanish Literature III

This is an introductory survey course of the major literary works and themes throughout the development of the cultural experience formed from the conflict and confluence of U.S. American and Spanish American cultures — U.S. history, literature, and culture from the 19th century to the present. Prerequisite: SPAN 202 or equivalent. Three credits.

— I s

Topics dealing with language, literature, culture or pedagogy. Prerequisite: 300-level course or permission of the instructor. Three credits.

d e d r i s

Development of vocabulary, improvement of aural comprehension and strengthening of conversational skills. Prerequisites: SPAN 301 and SPAN 302 or equivalent. Three credits.

2 d e d r i e i s

Development of composition skills, with emphasis on acquiring a natural style in Spanish that is free from English influence. Includes study of model essays in Spanish and weekly guided and original compositions. Prerequisite: SPAN 302 or equivalent. Three credits.

e r e i r d r e

A cross-cultural experience for senior majors that will involve activity in a Spanish-speaking country or a Spanish-speaking community in the United States. The project will require pre-reading and a reflective essay. Prerequisites: SPAN 311 or 312 and permission of instructor. Three credits.

e d u e u i s i

A survey of the theories of second language acquisition and a study of techniques of language instruction. Prerequisite: SPAN 330. Three credits.

r d u r s

Development of translation skills from English to Spanish and Spanish to English. Uses texts from contemporary materials: newspapers, magazines and government agency reports. Prerequisite: SPAN 302 or equivalent. Three credits.

2 d e d i s r s

Advanced work in translation from Spanish to English and from English to Spanish of selected texts from diverse fields. Prerequisite: SPAN 451. Three credits.

u d i s

This course gives students methods for time management and study skills or success in their university career. Topics covered include how to read, study and review course material, how to take and organize notes, how to study for and take exams, how to organize and write term papers and time management techniques. The goal of this course is to teach the skills needed, not merely for student survival, but for student success and confidence. One credit.

u d i s

STSK 103 is open to all students who need assistance with improving their grade point average. The class is a requirement for students who are on academic probation or returning after academic suspension. The course is part of a diagnostic-prescriptive program that assists the students with assessing their learning style, study habits, etc. The student and instructor will develop an individual plan for academic success. One credit.

e r l e e-u

An introduction to basic stage make-up, covering products, theory and techniques of application. The development of a characterf

2 e l e s i

Principles of color, line, mass, motion and rhythm along with research and play analysis for the designer. This course is offered on an alternating schedule. Check with advisor for next offering. A minimum grade of "C" is required to pass this class in the Bachelor of Fine Arts in Scenic and Lighting Design curriculum. Prerequisite: TH 213 or permission of the instructor. Three credits.

2 u d e s t e r e r i

An in-depth course in linear and scenographic techniques with an emphasis on drafting skills including projects for plays, musicals and operas in proscenium and other stagings. This course is offered on an alternating schedule. Check with advisor for next offering. A minimum grade of "C" is required to pass this class in the Bachelor of Fine Arts Scenic and Lighting Design curriculum. Prerequisite: TH 112. Three credits.

22 e r e r e s

The production, procurement, and running of properties, including evolution and development of atmospheric and sound effects for the stage. History of periods and styles included. Students are required to assist on a production. This course is offered on an alternating schedule. Check with advisor for next offering. Prerequisite: TH 112. Three credits.

22 s u e e d e r i

Drawing and painting techniques for the costume designer, including figure drawing, fabric rendering and portfolio preparation. This course is offered on an alternating schedule. Check with advisor for next offering. Three credits.

2 s u e e s i

Principles of line, color, texture and visualization of character analysis and relationships and historical research. This course is offered on an alternating schedule. Check with advisor for next offering. A minimum grade of "C" is required to pass this course in the Bachelor of Fine Arts in Costume Design curriculum. Prerequisite: TH 213. Three credits.

2 2 s u e e s i 2

A continuation of TH 231, with emphasis on play analysis and style. This course is offered on an alternating schedule. Check with advisor for next offering. Prerequisite: TH 231. Three credits.

2 d e d e e-u

A course that builds upon techniques taught in TH 141, Theatrical Stage Make-up. Appropriate for the costume design student as well as any student interested in furthering their make-up skills and knowledge. Course taught through lecture and student application. Topics include mask making, prosthetics, slush casting, wigs and facial hair and special effects. This course should be taken with advisor for next offering.

2 er d i es 2

This course will develop the actor's skills in performing commedia dell'arte and the plays of Shakespeare and his contemporaries. Students will learn about the history and contexts of the Elizabethan sta

u e r e d e r i

Application of various software programs to solve problems in theatre design. This class is offered in alternate years. Check with advisor for next offering. Prerequisites: TH 318 and TH 313. Three credits.

2 e r e u d

Introduction to principles and practices of theatre sound design. Training for position of sound designer for theatre. Principles, practices and equipment used to create finished sound designs for theatre, dance and related areas. This class is offered in alternate years. Check with advisor for next offering. Prerequisites: TH 111
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d e d i r u _

This course builds upon the techniques taught in TH 203, Acting Through Song. Emphasis is placed on contemporary, post Golden-Age repertoire. Students will explore a range of musical theatre scenes from varying styles including concept pieces, thru-sung musicals, and non-realism. Prerequisite: TH 203. Two credits.

d e d i r u _ 2

A continuation of TH 403 with further work on concept-style scenes and larger group scenes in contemporary musical theatre. This course will serve as the culminating course in the musical theatre training program. Prerequisite: TH 403. Two credits.

e r e r _ u i r e i _ r s

Students select plays from various periods and styles and, after completing a thorough research of the period, direct a scene from the play or possibly the play itself. A minimum grade of "C" is required to pass this class in the Bachelor of Fine Arts in Theatre for Youth curriculum. Enrollment limited to Theatre for Youth majors. Prerequisite: TH 307 and Theatre for Youth major. Two credits.

8 e r e r _ u i r e i _ r s 2

Continuation of TH 407. Enrollment limited to Theatre for Youth majors. Prerequisite: TH 407 and Theatre for Youth major. Two credits.

e i r

An advanced course in scene painting techniques, including drops, three-dimensional rendering and acrylic, latex and dye painting. Students will be required to assist on at least one production. This course is offered on an alternating schedule. Check with advisor for next offering. Prerequisite: TH 213. Three credits.

2 e r e r _ u r d u _ e i r

A course for the advanced Theatre for Youth major, students will have assignments designing lesson plans, leading drama sessions or workshops and reporting on readings in the field. There may also be assignments in other areas of educational theatre to be arranged with the instructor and student. A minimum grade of "C" is required to pass this class. Prerequisite: Senior yJaKéyo*—JsKéyo*—Jd—JSKyOSWZBxyyo*—JsKUWVéyo*OVTPYByo*TF

Individualized Theatre

A private instruction setting for individual projects in theatre. May be used to fulfill electives only. Project proposal must be approved by the associate dean for undergraduate studies and the chair of the Theatre Division prior to registration. Prerequisite: Permission of the instructor. One, two or three credits.

Women's Issues in the Arts

This course introduces students to the interdisciplinary field of women's studies by exploring feminist theory and women's issues from multiple perspectives. A particular topic is explored through its representation in literature, film and art, as well as from the perspectives of health, history, sociology, psychology, biology, and medicine.

BOARD OF TRUSTEES

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Charles A. Veatch, Chair -

ADMINISTRATIVE OFFICERS

e J r d i s r i e t i e r s

Tracy Fitzsimmons, President; B.A. Princeton University; M.A., Ph.D., Stanford University

Bryon Lee Grigsby, Senior Vice President & Vice President for Academic Affairs; B.A., Moravian College; M.A., Wake Forest University; Ph.D., Loyola University Chicago

Mitchell L. Moore, Vice President for Advancement; B.A., University of Richmond; M.P.A., Virginia Commonwealth University

Clarresa Morton, Vice President for Student Affairs; B.A. Oral Roberts University; M.A. and Ph.D., Virginia Polytechnic Institute and State University

Richard C. Shickle, Vice President for Administration and Finance; B.S., Virginia Polytechnic Institute and State University; C.P.A., Virginia

d i s r i e t i e r s

Karen Abraham-Justice, Director of the Division of Physical Therapy; B.S., University of Maryland at Baltimore; Ph.D., East Carolina University

Quaiser Absar, Director of Institutional Computing; B.S., M.S., University of Evansville

Calvin H. Allen, Jr., Associate Vice President for Academic Affairs and Dean of the College of Arts & Sciences; B.A., University of Pittsburgh; M.A., Ph.D., University of Washington

David D. Anthony, Dean of Admissions; B.S., Clarion State University; M.Ed., American University

Donald Apparius, Director of Residential Life, B.A., Mary Washington University; M.S., George Mason University

Christopher A. Bean, Director of Library Services; B.A., University of New Hampshire; M.L.S., University of Rhode Island; M.A., Virginia Polytechnic Institute and State University

Jennifer Bousquet, Director of Foundation Relations; B.A., University of Arkansas; J.D., University of Arkansas at Little Rock

W. Randy Boxx, Dean of the Harry F. Byrd School of Education; B.S., University of Virginia; M.S., University of Virginia; Ph.D., University of Virginia

Rebecca Myers

FACULTY

This list includes those full-time and part-time faculty members who taught during the 2009-10 academic year and who are expected to continue, and new full-time faculty hired as of May 29, 2010, for the 2010-11 academic year.

* Members of the Graduate Faculty are designated by an asterisk (*). The graduate faculty is defined as those members of the full-time and part-time faculty who hold the appropriate terminal degree, or the professional equivalent, and who are to teach graduate courses. Graduate faculty may also teach undergraduate courses.

^ Members of the Interim Graduate Faculty are designated by an arrow (^). The interim graduate faculty is defined as those members of the full-time or part-time faculty who do not meet one or more of the essential criteria for appointment to graduate faculty status, but who are expected to meet all essential criteria within a reasonable period of time.

The undergraduate faculty is defined as those members of the faculty who hold at least a master's degree, or the professional equivalent, and who are assigned to teach undergraduate courses. Most of Shenandoah's undergraduate faculty also hold a terminal degree in their field, however, those designated as undergraduate faculty are not teaching graduate courses.

+ Full-time administrative or staff appointments with part-time teaching assignments are designated by a plus sign (+).

= Faculty members teaching in more than one school or division are designated by an equal sign (=).

William Douglas Enders (2005), Professor, English; A.B., University of Michigan; M.A., Ph.D., University of Toledo
Kim Fendley (1995), Associate Professor, Sociology; B.A., George Washington University; M.S., University of
Arkansas; Ph.D., University of Kentucky
Audra L. Gollenberg (2010), Assistant Professor, Public Health; B.S., Rensselaer PoP

*William Shendow (1984), Professor, Political Science; B.A., Wake Forest University; M.A., Georgetown University; Ph.D., Virginia Polytechnic Institute and State University

Tiffany J. Shoop (2006), Assistant Professor, Mass Communication; B.A., M.A., Virginia Polytechnic Institute and State University; Ph.D., University of Tennessee

Andrea Smith (2009), Assistant Professor, Foreign Language; B.A., M.T., M.A., A.B.T, University of Virginia

^Cindia Stewart (1985), Assistant Professor, Mathematics; B.S., Shenandoah University; M.S., Shippensburg University; Ph.D., University of Virginia

Edvard Thorsett (1996), Associate Professor, Mass Communication; B.S., M.A.A., Ph.D., University of Maryland

Jason D. Weibel (2010), Assistant Professor, Chemistry; B.S., North Carolina State University; M.S., Wake Forest University; Ph.D., Carnegie Mellon University

Margaret Mary Wharton (2001), Assistant Professor, Mathematics; B.A., Salve Regina University; M.A., Appalachian State University

Brian J. Wigley (2002), Associate Professor, Kinesiology; B.S., University of Texas at Austin; M.S., Ed.D., Texas A&M University

^Laura K. Zimmermann (1998), Professor, Psychology; B.A., Emory University; M.S., Ph.D., University of New Mexico

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+Kevin L. Anderson (2003), Adjunct Instructor, Kinesiology; B.S., M.S., George Mason University

+Donald B. Apparius (2008), Adjunct Instructor, Study Skills; B.S., Mary Washington College, M.S., George Mason University, Ed.D. in

+Robert Harris (1994), Adjunct Assistant Professor, Kinesiology; B.S., M.B.A., Shenandoah University
+Karen Hattenback (2006), Adjunct Instructor, Kinesiology; Certified Franchised Jazzercise Instructor
Roy Hattenback (2002), Adjunct Assistant Professor, Kinesiology; B.S., M.S., State University of New York at Brockport
Martin Janowitz (2002), Adjunct Professor, Psychology; B.S., M.S., City College of New York; M.S., Ph.D., University of Maryland
Diedra H. Kriewald (2007), Adjunct Professor, Religion; B.S., Northwestern University; M.R.E., Union Theological Seminary; M.A., Ph.D., Vanderbilt University
Desmond James Lawless (2006), Adjunct Instructor, Kinesiology; B.S., West Sussex Institute of Higher Education (England); M.S., University of Wisconsin-Stout
Hyo Lee (2006), Adjunct Assistant Professor, Religion; B.A., Yonsei University; M.Div., McCormick Theological Seminary; Ph.D., Vanderbilt University
Hyo J. Lee (2006), Adjunct Assistant Professor, Religion; B.A., Yonsei University, M.Div., McCormick Theological Seminary, Ph.D., Vanderbilt University
Linden E. Lewis Jr. (2009), Adjunct Instructor, Kinesiology; A.A., Lord Fairfax Community College; B.S., Salem-Teikyo University
Mark Lore (2010), Adjunct Assistant Professor, Political Science; B.A., Bowling Green State University; M.A., University of Wisconsin
Brock L. McCullough (2010), Adjunct Instructor, Kinesiology; B.A., Grove City College; M.A., ClaRéyo*VPTSTURéyo*VPTJh

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*W. Randy Boxx (2004), Dean of the Harry F.

*Michael J. Stepniak (2009), Dean of Shenandoah Conservatory and Professor, Music; B.A., Atlantic Union College; M.M., Northwestern University; M.M., Peabody Conservatory at Johns Hopkins University; Ed.D., Harvard University Graduate School of Education

*Aimé Sposato (1993), Associate Dean for Undergraduate Studies and Professor, Music, Voice; B.A., University of Pittsburgh; M.M., Duquesne University; D.M.A., West Virginia University

*Karen Walkei

William J. Ingham (1999), Associate Professor, Theatre; B.A./B.S., Morehead State University; M.F.A., Florida State University

^Byron Jones (1998), Assistant Professor, Voice; B.A., University of North Carolina; M.A., University of Massachusetts; M.M., University of Maryland; D.M.A., Shenandoah University

*Karen Keating (1989), Professor, Choral Music/Conducting; B.M., James Madison University; M.M., Hochschule für Musik und Darstellende Kunst "Mozarteum" (Austria); D.M.A., Shenandoah University

Mark D. Kittlaus (2006), Assistant Professor, Acting; B.A., University of Massachusetts at Amherst; A.M., Brown University; D.Prof. in progress, Shenandoah University

*Robert Larson (1982), Harrison Endowed Chair in Piano and Associate Professor, Jazz Piano; B.A., Eastern Washington University; M.A., University of Oregon; D.M.A., Shenandoah University

*Doris Lederer (2004), Associate Professor, Viola/Chamber Music; Diploma, Curtis Institute of Music

*Jeffrey H. Marlatt (2006), Associate Professor, Music Education; B.M., Butler University; M.M., Northwestern University; Ph.D., Temple University

*Scott A. Nelson (1987), Professor, Trumpet; B.M.E., University of Akron; M.M., D.M.A., University of Cincinnati, College Conservatory of Music

JohnUer

*Wayne Wells (2002), Asso

Michael J. Maher (2003), Auxiliary Adjunct Assistant Professor, Theory and Jazz Piano; M.A., Rollins College;
B.M., M.M., Oberlin Conservatory of Music
Jona Masiya (2008), Adjunct Inst

*Steven E. Humphries (2007), Director and Assistant Professor, Teaching English to Speakers of Other Languages; B.A., Auburn University; M.S., Ph.D., Florida State University

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*Mary S. Bowser (1989), Professor, Education; B.S., M.S., State University of New York, College at Oneonta; Ed.D., University of Virginia

^Larry Brooks (1998), Assistant Professor, Education; B.S. Virginia Polytechnic Institute and State University; M.Ed., University of Virginia; Ed.D., Nova Southeastern University

*H. Jurgen Combs (1997), Professor, Education Leadership; B.A., M.Ed., North Adams State College; Ed.D., Nova Southeastern University

*Peter Edwards (2006), Professor, Reading; B.A., B.Ed., University of Western Australia; M.A., Ed.D., University of British Columbia

*Lizabeth England (2006), Professor, Teaching English to Speakers of Other Languages; B.S., University of Rochester; M.S., Nazareth College; Ph.D., University of Illinois

*Dale Foreman (1999), Associate Professor, Education; B.S., Idaho State University; B.S., Ph.D., University of Minnesota

*John R. Goss, III (2004), Professor, Research Studies; B.S., Pennsylvania State University; M.A., Indiana University of Pennsylvania; M.S.Ed., Elmira College; Ph.D., American University

+Clarresa Moore Morton (2005), Vice President for Student Affairs and Assistant Professor, Education; B.A., Oral Roberts University; M.A., Ph.D., Virginia Polytechnic Institute and State University

*Brenda Murphy (1996), Associate Professor, Teaching English to Speakers of Other Languages; B.M., M.M., Manhattan School of Music; M.S.Ed.-TESOL, Shenandoah University; Ph.D., New York University

Diane DeMott Painter (2007), Professor, Education; B.S., M.S., University of North Carolina; Ed.D., University of Virginia

Kristin Hockensmith (2003), Adjunct Associate Professor, Education; B.S., Indiana University; M.S., Ph.D., Pennsylvania State University

Suzanne Jimenez (2007), Adjunct Associate Professor, Education; B.S., James Madison University; M.A., Ed.D., George Washington University

*Dennis Kellison (1995), Adjunct Associate Professor, Education; A.B., Fairmont State College, Certificate of Advanced Study, College of William and Mary, M.S., West Virginia University

Datta Kaur Khalsa (2007), Adjunct Assistant Professor, Education; B.S., Edinboro State University; M.S.Ed., California State University East Bay; Ph.D., University of Maryland

Dianne Kinkead (1999), Adjunct Assistant Professor, Education; A.A., University of Bridgeport; B.S., Cameron University; M.S., Bridgewater State College; Ed.D., Boston University

Buffie M. Kulton (2007), Adjunct Assistant Professor, Education; B.S., James Madison University; M.S., Shenandoah University

Janet Lebel (2009), Adjunct Assistant Professor, Education; B.A., College of William and Mary; M.A., University of Virginia; Ed.D., George Peabody University

*Nancy Trumbell Lee (2005), Adjunct Assistant Professor, Education; B.A., St. Joseph College; M.Ed., University of Virginia; Ed.D., Shenandoah University

Paula Garcia McAllister (2007), Adjunct Assistant Professor, Education; B.A., University of Michigan; M.A., Northeastern Illinois University; Ph.D., Northern Arizona University

Dana Manning (2010), Adjunct Associate Professor, Education Outreach; B.A., California State University; M.A., University of Alabama; Ph.D., Texas Tech University

Diana Moore (2007), Adjunct Associate Professor, Education; B.S., Fort Hays State University; M.S. Northwest Missouri State University; Ed.D., University of Kansas

Helen M. Neely (2005), Adjunct Associate Professor, Education, Education; B.A., M.Ed., James Madison University; doctoral candidate, Virginia Polytechnic Institute and State University

Diane DeMott Painter (2008), Adjunct Assistant Professor, Curriculum and Instyo*—JoKéyo*RSUXUBRByd—JByd—JaKéyo*—
Date of Birth: 1958—Rjcéyo*éyo*TPByW XU*—J,KZRé(—J,KZRéyo*UPRRZTWBRByd—aSkcéyo*—Jd

Sohayla Raja (2005), Assistant Professor, Nursing; A.A., Anne Arundel Community College; B.A., School of Higher Learning for Persian Literature and Foreign Languages (Iran); B.S.N., University of Maryland; M.A., Johns Hopkins University; M.S.N., University of Phoenix Online

Sherry Rawls-Bryce (2003), Assistant Professor, Nursing; B.S.N., East Carolina University; M.S.N., University of Arizona

Billinda Dubbert Tebbenhoff (2007), Assistant Professor, Nursing; B.S., Radford University; M.S.N., University of Virginia

Maneika Shifflet Walker (2004), Assistant Professor, Nursing; A.S.N., B.S.N., Shenandoah University; M.S.N., George Mason University

*Wanida P.Wanant (2001), Associate Professor, Nursing; Diploma in Nursing and Certificate of Midwifery, Chiang Mai University (Thailand); B.Ed., Chunglungkorn University (Thailand); M.S.N., Ph.D., The Catholic University of America

Jessica Webb (2008), Assistant Professor, Nursing; A.S.N., B.S.N., Marymount University; M.S.N., Old Dominion University

*Pamela B. Webber (1978), Professor, Nursing; A.S., Shenandoah University; B.S.N., M.S.N., Ph.D., George Mason University

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Jennifer L. Anderson (2005), Adjunct Clinical Instructor, Nursing; A.S.N., B.S.N., M.S.N., Shenandoah University

Miriam S. Birmiel (2007), Adjunct Clinical Instructor, Nursing; Diploma, Phillips Beth Israel School of Nursing; N.P. certificate, B.S., George Washington University; M.S.N., George Mason University

Cheryl Blanche (2008), Adjunct Clinical Instructor, Nursing; Diploma, St. Agnes Medical Center School of Nursing; B.S.N., M.S.N., Old Dominion University

Helene Brierley (2007), Adjunct Clinical Instructor; Nursing; Diploma; Temple University; A.A., Northern Virginia Community College; M.S.N., George Mason University

Gretchen L. Burks (2005), Adjunct Clinical Instructor, Nursing; B.S.N., Shepherd University; A.S.N., M.S.N., Shenandoah University

Jan R. Butcher (2009), Adjunct Clinical Instructor, Nursing; B.S.N., M.S.N., University of Virginia

Lisa B. Callanan (2007), Adjunct Clinical Instructor, Nursing; B.S., B.S.N., University of North Carolina at Chapel Hill; M.S.N., Medical University of South Carolina

Leona F. Cook (2007), Adjunct Clinical Instructor, Nursing; A.S.N., B.S.N., Shepherd College; M.S.N./F.N.P., West Virginia University

Sheryl F. Crim (2006), Adjunct Clinical Instructor, Nursing; A.A., Grace Bible College; A.S.N., Shenandoah University; B.A., Wheeling Jesuit University; M.S.Admin., George Mason University

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