

The College of Arts and Sciences

Takita Sumter, Interim Dean

Robert Prickett, Associate Dean

M. Gregory Oakes, Assistant Dean

Undergraduate Degree Programs and Requirements

The College of Arts and Sciences provides educational opportunities for students to gain knowledge, insights, and skills in order to grow more sensitive to the significance of the human heritage, to participate and contribute knowledgeably and effectively as citizens, and to lead rewarding, productive, and enriched lives within the contemporary world.

Providing the liberal arts foundation for all Winthrop University students, the College of Arts and Sciences offers a broad spectrum of general education courses so undergraduate students may be afforded the central core of knowledge enjoyed by well-educated citizenry.

Some of the degree programs in Arts and Sciences prepare majors directly for professional employment. Others prepare them for admission to professional and graduate schools. Others programs, combined with an appropriate minor from Arts and Sciences or one of the professional schools, provide a valuable basis for a career.

The College of Arts and Sciences offers the Bachelor of Arts, Bachelor of Science, Bachelor of Social Work, Master of Arts, Master of Liberal Arts, Master of Science, Master of Social Work, and Specialist in School Psychology degrees with the following majors:

Bachelor of Arts Degree: English, environmental studies, history, individualized studies, mass communication, mathematics, modern languages, philosophy and religion, political science, psychology, social studies and sociology.

Bachelor of Science Degree: biology, chemistry, environmental sciences, human nutrition, integrated marketing communication, and mathematics.

Bachelor of Social Work Degree

Master of Arts Degree: English, history, and Spanish.

Master of Liberal Arts Degree: liberal arts.

Master of Science Degree: biology, human nutrition, and school psychology.

Master of Social Work

Specialist in School Psychology Degree

Minors for undergraduate degrees are offered through the College of Arts and Sciences in African American studies; anthropology; applied physics; biology; chemistry; community-based learning; criminal justice; English; French; general science; geography; geology; German; gerontology; history; human nutrition; humanities; international and global studies; legal studies; mathematics; medieval studies; peace, justice, and conflict resolution studies; philosophy; philosophy and religion; political science; psychology; religion; social sciences; social welfare; sociology; Spanish; sustainability; women and gender studies; and writing. See the section on Minors, p. 131, for requirements.

Winthrop's undergraduate program in human nutrition is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics. The Bachelor of Social Work program is accredited by the Council on Social Work Education. The Department of Mass Communication is accredited by the Accrediting Council of Education in Journalism and Mass Communications.

College of Arts and Sciences Requirements

Foreign Language Requirements: A candidate for a B.A. or B.S. degree in the College of Arts and Sciences must demonstrate proficiency in a foreign language at or above the second semester college level. This requirement may be met by a satisfactory score on a recognized proficiency examination (such as CLEP) or by passing a foreign language course numbered 102 or any foreign language course with 102 as a prerequisite. **Non-native speakers of English can petition the College of Arts and Sciences Curriculum Committee for possible exemption from the foreign language requirement. Native speakers of a foreign language will not receive CLEP credit for the 101, 102, 201, or 202 courses in that language.** (A native speaker is defined as one who has achieved a high level of reading, writing, speaking and listening ability in that language. This would be demonstrated by having completed significant secondary schooling in that language or by having other proof of that level of ability.) **Students who are fluent in a language other than their native language or English may receive CLEP credit in that language, but may not enroll in 101, 102, 201, or 202 courses in the second language in which they are fluent.**

B.S. and B.S.W Degree Requirements: Although not required, students enrolled in B.S. and B.S.W. degree programs may complete a minor. In such cases, students may use courses required in the major to also satisfy minor requirements. Students pursuing the B.S. degree in Integrated Marketing Communication cannot minor in business.

Teacher Certification: Certification is available in the following areas: biology, chemistry (graduate level only), English, French, mathematics, Spanish, and social studies. Students must meet all requirements for admission to and completion of the Teacher Education Program and its core curriculum.

BIOLOGY**Faculty****Professors**

Janice B. Chism
 Dwight D. Dimaculangan, *Chair*
 Paula L. Mitchell
 William Rogers
 Julian Smith III
 Kristi Westover

Instructor

Cassie Bell

Associate Professors

Eric Birgbauer
 Laura Glasscock
 Kunsiri Grubbs

Adjuncts

Jessica Boulware
 William Burd
 Lauren Carrier
 Angelica Christie
 Steven E. Fields
 Carol Inglis
 Richard Jackson
 Anita McCulloch
 Athena Shepard
 Lynn Snyder
 Silvia Wozniak
 Almaz Yilma

Assistant Professors

Meir Barak
 Victoria Frost
 Courtney Guenther
 Kathryn Kohl
 Kiyoshi Sasaki
 Jennifer Schafer
 Matthew Stern
 Cynthia Tant

Bachelor of Science in Biology

The biology major is frequently chosen by students with career interests related to medicine, botany, zoology, molecular biology, environmental and conservation biology, teaching and secondary education in the sciences, and other careers. Qualified Winthrop students in biology are accepted for postgraduate study in many of those fields. Emphasizing a student's capacity to understand and conduct research, students pursuing the B.S. degree can tailor their program beyond the major's core curriculum to meet their specific needs. In addition, the department offers four sub-tracks within the program with more prescribed curricula: 1) B.S. in Biology with a concentration in Biomedical Research; 2) B.S. in Biology with Teacher Certification; 3) B.S. in Biology with a concentration in Medical Technology; and 4) B.S. in Biology with a concentration in Conservation Biology.

The department offers excellent experiential learning opportunities through undergraduate research and internships that are important for students to matriculate into graduate programs, health profession programs, biology-related jobs, etc. Students can conduct undergraduate research for academic credit with faculty mentors in well-equipped research labs and at regional field sites. Students can also earn up to three hours of internship credit towards their biology degree. Internships are available at a variety of institutions and corporations in Rock Hill and surrounding communities.

**Pre-Health Profession Programs with a Bachelor of Science in Biology
(i.e. Medicine, Veterinary Medicine, Dentistry, Pharmacy, and Physical Therapy)**

The biology major is ideal for students preparing to enter into a health profession program because it provides a broad background in the natural sciences as well as specific training in essential biological topics related to the medical field. It is the most popular major for students entering into professional programs for medicine, veterinary medicine, dentistry, pharmacy, and physical therapy. For example, more than 50% of all medical students in the United States were biology majors as undergraduates, which is more than three times greater than any other major including the physical and social sciences.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	Met in major with BIOL 480	0
Technology	Met in major with BIOL 300 & 480	0
Intensive Writing	Met in major with BIOL 300	0
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines		
Global Perspectives	See approved list, p. 16	3
Historical Perspectives	See approved list, p. 16	3
Introducing Students to Broad Disciplinary Perspectives		
Social Science	See approved list, p. 16; must include 2 designators	6
Humanities and Arts	See approved list, p. 16; must include 2 designators	6
Quantitative Skills and Natural Science (3 courses)		
Quantitative Skills	See approved list, p. 16	3-4
Natural Science	Met in major with BIOL 203/204 and CHEM 105	0
Subtotal		32-36
Requirements in Major		64-65
BIOL 202	Freshman Symposium in Biology	0
BIOL 203/204	Principles of Biology & lab	4
BIOL 205	General Botany	4
BIOL 206	General Zoology	4
BIOL 300	Scientific Process in Biology	4
BIOL 480	Integration of Biological Principles	3
BIOL 491, 492	Departmental Seminars	0
Area A. Ecology, Evolution and Field Biology		6-8
Select two courses, one of which must include a lab.		
BIOL 303, 304, 309, 323, 403, 404, 505, 508, 510, 511, 513, 515, 518, 524, 525, 551, 552A or B, and 560		
Area B. Cells, Genes and Developmental Biology		7-8
Select two courses, one of which must include a lab.		
BIOL 310, 315, 316, 317, 321, 322, 507, 517, 519, 521, 522, 528, 530, 555 and 557		
Area C. Select additional courses to total 42 hours in BIOL from the above areas and from the following:		7-10
BIOL 307, 308, 440, 450H, 461, 463, 471 and 540		
<i>Students must select at least one 500-level BIOL course from among requirements above.</i>		
Required Math and Science Courses		
CHEM 105, 106, 108	General Chemistry I & II	8
Any MATH (except 291, 292, and any course used to satisfy the Quantitative Skills Area)		3-4
Area D. Mathematics and Science Electives		11
Must be chosen from: MATH (except 291 & 292 and any course used to satisfy the Quantitative Skills Area); CHEM (except 101, 104, 461, 462, or 463); PHYS (except 101/102); GEOL; and QMTH 205, 206 (if MATH 141 not selected).		
Foreign Language Requirement		3-8[†]
General Electives		11-21
Total		120

No more than 3 semester hours of credit may be awarded toward a degree in biology for a student completing any combination of BIOL 461 and 463. The student must complete a minimum of 12 semester hours of BIOL courses in residence at Winthrop University.

[†]This requirement may be met by a satisfactory score on a recognized examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

See pages 16-18 for additional degree requirements.

Bachelor of Science in Biology - Certification as Secondary School Teacher

Program Coordinator: Cassie Bell

Students desiring certification as teachers of biology should consult with the department's certification adviser and Student Academic Services in the Richard W. Riley College of Education for specific requirements for admission to the Teacher Education Program. See section on College of Education Admission Requirements, page 78.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	Met in major with BIOL 480	0
Technology	Met in major with BIOL 300 & 480	0
Intensive Writing	Met in major with BIOL 300	0
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines		
Global Perspectives	See approved list, p. 16	3
Historical Perspectives	See approved list, p. 16	3
Introducing Students to Broad Disciplinary Perspectives		
Social Science	See approved list, p. 16; must include 2 designators 3 hours met in Education Sequence with EDUC 200	3
Humanities and Arts	See approved list, p. 16; must include 2 designators	6
Quantitative Skills and Natural Science (3 courses)		
Quantitative Skills	See approved list, p. 16	3-4
Natural Science	Met in major with BIOL 203/204 & CHEM 105	
Subtotal		29-33
Requirements in Major		65-66
BIOL 202	Freshman Symposium in Biology	0
BIOL 203/204	Principles of Biology & lab	4
BIOL 205	General Botany	4
BIOL 206	General Zoology	4
BIOL 300	Scientific Process in Biology	4
BIOL 480	Integration of Biological Principles	3
BIOL 491, 492	Departmental Seminars	0
BIOL 307, 308	Human Anatomy and Physiology	8
BIOL 310	Microbiology	4
BIOL 317	Genetics	4
BIOL 513	Organic Evolution	3
BIOL 304, 323, 403, 510, 511, or 515		4
CHEM 105, 106, and 108	General Chemistry I & II	8
Any MATH (except 291 & 292 and any course used to satisfy the Quantitative Skills area. Must be MATH 141 if MATH 150 not taken.)		3-4
PHYS 201, 202 and GEOL 110 and 113	General Physics I & II; Physical Geology	12
Professional Education Sequence		38
EDUC 101**	Developing Observation and Analysis Skills	1
EDUC 200**	Developmental Sciences and the Context of Poverty	3
EDUC 220**	Assessment to Meet Diverse Needs	2
EDUC 401	Internship: Contextual Factors	1
EDUC 402	Internship: Assessment and Instruction	9
EDUC 410**	Education in a Democracy	2
EDCO 201**	Supporting the Engl as Sec Lang student in Gen Ed Classrm	2
EDCO 202**	Supporting Exceptional & Gifted Lnrs in Gen Ed Classroom	2
EDCO 305**	Technology in the Inclusive Classroom	2
EDCO 350**	Acad & Social Strat for Estab Inclusive Classrm Climate	3
SCIE 390, 391, 393	Intro to Teaching Sci, Prin of Teaching Sci I, Seminar in Sec Sci	5
READ 331, 346	Foundations of Literacy, Content Area Read/Write	6
Foreign Language Requirement		3-8†
Total		135-145

†This requirement may be met by a satisfactory score on a recognized examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

**A grade of C or better is required and may not be taken on the S/U basis.

In addition to the requirements for their major, students must meet requirements for the Teacher Education Program, which include the requirements for Admission to Teacher Education, Entry to the Professional Stage, and Program Completion. For information on these requirements, consult the Student Academic Services in the College of Education.

Passage of the PRAXIS II Series content area examinations is required prior to entry into the professional stage for all candidates in the teacher education program. For the most current PRAXIS information required for test(s) in your content area, visit the South Carolina Department of Education website: <http://ed.sc.gov/educators/certification/>. The student must attain a cumulative grade-point average of 2.75 or better in courses taken at Winthrop and a minimum of a 2.0 in the 65-66 hours of the required program. The student must complete a minimum of 12 semester hours of BIOL courses in residence at Winthrop University. No more than 3 semester hours of credit may be awarded toward a degree in biology for a student completing any combination of BIOL 461 and 463.

See pages 16-18 for additional degree requirements.

Bachelor of Science in Biology - Certification as a Medical Technologist

Program Director: Dr. Vicky Frost

Students desiring national certification as a Medical Technologist should consult with the department's Medical Technology adviser for specific details about this program. Qualified graduates must be accepted by a School of Medical Technology for a year (12 months) of hospital training before being certified.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMPX 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication		
Technology	Met in major with BIOL 480	0
Intensive Writing	Met in major with BIOL 300 & 480	0
Constitution Requirement	Met in major with BIOL 300	0
Physical Activity	See approved list, p. 16; may be met by other req	0-3
Thinking Critically Across Disciplines	See approved list, p. 16	1
Global Perspectives	See approved list, p. 16	3
Historical Perspectives	See approved list, p. 16	3
Introducing Students to Broad Disciplinary Perspectives		
Social Science	See approved list, p. 16; must include 2 designators	6
Humanities and Arts	See approved list, p. 16; must include 2 designators	6
Quantitative Skills and Natural Science (3 courses)		
Quantitative Skills		3-4
Natural Science	Met in major with BIOL 203/204 and CHEM 105	0
Subtotal		32-36
Requirements in Major		
BIOL 202	Freshman Symposium in Biology	0
BIOL 203/204	Principles of Biology & lab	4
BIOL 205	General Botany	4
BIOL 206	General Zoology	4
BIOL 300	Scientific Process in Biology	4
BIOL 480	Integration of Biological Principles	3
BIOL 491, 492	Departmental Seminars	0
BIOL 310, 317, 522	Microbiology, Genetics, Immunology	12
BIOL Electives – select two courses from the following areas:		
(must include one laboratory course)		6-8
Area A. Ecology, Evolution and Field Biology		
BIOL 303, 304, 309, 323, 403, 404, 505, 508, 510, 511, 513, 515, 518, 524, 525, 551, 552A or B and 560		0
Area B. Cells, Genes and Developmental Biology (satisfied by the required program)		
Area C. Select additional courses to total 42 hours in BIOL from the above areas and from the following:		
BIOL 307, 308, 315, 321, 322, 440, 450H, 461, 463, 471, 507, 517, 519, 521, 528, 530, 540, 555, and 557		3-5
<i>Students must complete at least one 500-level BIOL course from among requirements above.</i>		
Required Math and Science Courses		
CHEM 105, 106, 108	General Chemistry I & II	8
CHEM 301, 302, 304	Organic Chemistry I & II	8
MATH 141		3

Area D. Mathematics and Science electives:

Must be chosen from CHEM 313, 314, 523, 524 and 525; CSCI 101 and CSCI 101A, B, and C;
MATH (except 291 & 292 and any course used to satisfy the Quantitative Skills Area); PHYS (except 101/102);
GEOL

Foreign Language Requirement

3-8†

General Electives

12-21

Total

120

†This requirement may be met by a satisfactory score on a recognized examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

The student must complete a minimum of 12 semester hours of BIOL courses in residence at Winthrop University. No more than 3 semester hours of credit may be awarded toward a degree in biology for a student completing any combination of BIOL 461 and 463.

Students may apply to any NAACLS accredited hospital program in the US. Students should consult with the Med Tech faculty advisor since the specific admission requirements vary among the accredited hospital programs. Local schools include Carolinas Medical Center in Charlotte, NC, McLeod Regional Medical Center in Florence, SC, and Lexington Medical Health center in Columbia, SC.

See pages 16-18 for additional degree requirements.

Bachelor of Science in Biology - Biomedical Research

This concentration within the biology major is designed to prepare students for admission into post-graduate research programs in the biomedical sciences. Students will complete a year-long research internship.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication		
	Met in major with BIOL 480	0
Technology		
	Met in major with BIOL 300 & 480	0
Intensive Writing		
	Met in major with BIOL 300	0
Constitution Requirement		
	See approved list, p. 16; may be met by other req	0-3
Physical Activity		
	See approved list, p. 16	1
Thinking Critically Across Disciplines		
Global Perspectives		
	See approved list, p. 16	3
Historical Perspectives		
	See approved list, p. 16	3
Introducing Students to Broad Disciplinary Perspectives		
Social Science		
	See approved list, p. 16; must include 2 designators	6
Humanities and Arts		
	See approved list, p. 16; must include 2 designators	6
Quantitative Skills and Natural Science (3 courses)		
Quantitative Skills		
	Partially met in major with MATH 201	
Natural Science		
	Partially met in major with BIOL 203/204	
Subtotal		32-36
Requirements in Major (A minimum of 42 hours of BIOL is required.)		71-72
BIOL 202	Freshman Symposium in Biology	0
BIOL 203/204	Principles of Biology & lab	4
BIOL 205	General Botany	4
BIOL 206	General Zoology	4
BIOL 300	Scientific Process in Biology	4
BIOL 480	Integration of Biological Principles	3
BIOL 491, 492	Departmental Seminars	0
BIOL 315	Cell Biology	4
BIOL 450 or 471	Selected Topics or Research	3
BIOL 310, 317 or 322	Microbiology, Genetics, Developmental Biology	4
BIOL 519, 522, 555, 557, 560 or CHEM 523/525		6-8
Select two courses from the following area (must include one laboratory course)		
Area A. Ecology, Evolution and Field Biology		
	BIOL 303, 304, 309, 323, 403, 404, 505, 508, 510, 511, 513, 515, 518, 524, 525, 551, 552A or B, and 560	6-8
Area B. Cells, Genes and Developmental Biology (satisfied by the required program)		
		0
Area C. Other		
<i>Student must complete two semesters of undergraduate research. A paid summer research position may count as one</i>		

semester if approved by the Department Chair. A maximum of three hours of credit for research may be used toward the total 42 hours of BIOL courses required for the BS degree.

Required Math and Science Courses

CHEM 105, 106, and 108	General Chemistry I & II	8
CHEM 301, 302, 304	Organic Chemistry I & II	8
MATH (except 291 or 292 and any course used to satisfy the Quantitative Skills Area)		3-4
MATH 201	Calculus I	4
Area D. Mathematics and Science Electives		3

At least 3 additional hours mathematics and science electives must be chosen from:

MATH (except 291 & 292, and any course used to satisfy the Quantitative Skills Area); CHEM (except, 101, 104, 461, 462 or 463); PHYS (except 101/102); GEOL; and QMTH 205, 206 (if MATH 141 not selected)

Required Ethics Course

PHIL 230	Introduction to Ethics	3
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Foreign Language Requirement

3-8†

Electives

4-14

Total

120

†This requirement may be met by a satisfactory score on a recognized examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

No more than 3 semester hours of credit may be awarded toward a degree in Biology for a student completing any combination of BIOL 461 and 463. The student must complete a minimum of 12 semester hours of BIOL courses in residence at Winthrop University.

See pages 16-18 for additional degree requirements.

Bachelor of Science in Biology-Conservation Biology

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	Met in major with BIOL 480	0
Technology	Met in major with BIOL 300 & 480	0
Intensive Writing	Met in major with BIOL 300	0
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines		
Global Perspectives	See approved list, p. 16	3
Historical Perspectives	See approved list, p. 16	3
Introducing Students to Broad Disciplinary Perspectives		
Social Science	See approved list, p. 16; must include 2 designators	6
Humanities and Arts	See approved list, p. 16; must include 2 designators	6
Quantitative Skills and Natural Science (3 courses)		
Quantitative Skills	See approved list, p. 16	3-4
Natural Science	Met in major with BIOL 203/204 and CHEM 105	0
Subtotal		32-36
Requirements in Major		64-65
BIOL 202	Freshman Symposium in Biology	0
BIOL 203/204	Principles of Biology & lab	4
BIOL 205	General Botany	4
BIOL 206	General Zoology	4
BIOL 300	Scientific Process in Biology	4
BIOL 480	Integration of Biological Principles	3
BIOL 491, 492	Departmental Seminars	0
BIOL 551, 552(A or B)	Conservation Biology, Conservation Biol Practicum	6
Area A. Ecology, Evolution and Field Biology		
BIOL 403 or 515	Ecology or Environmental Biology	4
BIOL 513	Organic Evolution	3

Area B. Cells, Genes and Developmental Biology	
BIOL 317	Genetics 4
Choose one from BIOL 310, 315, 321, 322, 519, 522, 530, 555 and 557	3-4
Area C. Select additional courses to total 42 hours in BIOL from the above areas and from the following:	2-3
BIOL 303, 304, 307, 308, 323, 403, 404, 440, 450H, 461, 463, 471, 505, 507, 508, 510, 511, 515, 518, 521, 527, 540 (Human Ecology, Sustainable Agriculture, Evolution of Mammals)	
Required Math and Science Courses	
CHEM 105, 106, 108	General Chemistry I & II 8
Any MATH (except 291 & 292 and any course used to satisfy the Quantitative Skills Area)	3-4
Area D. Mathematics and Science Electives	11
Must be chosen from: MATH (except 291 & 292 and any course used to satisfy the Quantitative Skills Area); CHEM (except 101, 104, 461, 462, or 463); PHYS (except 101/102); GEOL; and QMTH 205, 206 (if MATH 141 not selected).	
Foreign Language Requirement	3-8†
General Electives	11-21
Total	120

†This requirement may be met by a satisfactory score on a recognized examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

No more than 3 semester hours of credit may be awarded toward a degree in Biology for a student completing any combination of BIOL 461 and 463. The student must complete a minimum of 12 semester hours of BIOL courses in residence at Winthrop University.

See pages 16-18 for additional degree requirements.

CHEMISTRY, PHYSICS, AND GEOLOGY

Faculty

Professors

Clifton P. Calloway
 Maria C. Gelabert
 James Hanna, Jr.
 Aaron M. Hartel
 Robin K. Lammi
 Ponn Maheswaranathan
 Patrick M. Owens, *Chair*
 Takita F. Sumter

Associate Professors

Gwen M. Daley
 T. Christian Grattan
 Nicholas Grosseohme
 Jason C. Hurlbert
 Scott Werts

Assistant Professors

Fatima Amir
 Cliff Harris
 Kathie Snyder

Adjuncts

Kristin Kull
 Tom Lipinski
 William McGuinness
 Gregg McIntosh
 William A. Quarles
 Chasta L. Parker

Bachelor of Science in Chemistry

Students major in chemistry to pursue industrial or graduate opportunities in medicine, environmental science, computational molecular modeling, forensics, plastics, chemistry, textiles, health sciences, materials science, energy production, biotechnology, chemical engineering, pharmaceutical sciences, ceramics, environmental engineering, or toxicology. Chemists represent the largest group of industrial scientists in the United States; approximately 50% of all research and development positions in this country are filled by professionals with chemistry or chemical engineering backgrounds.

Students majoring in chemistry can select one of seven degree tracks to tailor their curricula to meet their long-term professional objectives. Five degree tracks meet American Chemical Society (ACS) requirements for a professional certification in chemistry upon graduation: chemistry, biochemistry, engineering-physics, forensic chemistry, and chemistry-business. The chemistry degree track is designed for maximum flexibility to meet a broad array of student interests or needs; the biochemistry degree track is designed to meet the needs of students interested in those health professions that do not require undergraduate research. The ACS Biochemistry track was the nation's first American Society for Biochemistry and Molecular Biology (ASBMB)-Accredited program.

Premedical Program with a Bachelor of Science in Chemistry

Students who wish to prepare for application to medical school should acquire a broad foundation in the natural sciences, mathematics, humanities, and the social sciences. Chemistry is a popular major for such students since it allows them to complete the premed requirements without taking a large number of courses outside the major. In addition, the percentage of chemistry majors applying and being accepted to medical school is higher than observed for most other majors. Medical schools generally require two semesters of each of the following courses: inorganic chemistry, organic chemistry, general biology, physics, mathematics, and English composition and literature. (Biochemistry, anatomy and physiology, genetics, and microbiology are strongly recommended.) All of the courses listed above can be used to fulfill requirements necessary for a major in chemistry.

Bachelor of Science in Chemistry

		Semester Hours
General Education Courses		
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMPX 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication		3
Technology		3
Intensive Writing		0-3
Constitution Requirement		3
Physical Activity		0-3
Thinking Critically Across Disciplines		1
Global Perspectives		3
Historical Perspectives		3
Introducing Students to Broad Disciplinary Perspectives		
Social Science		6
Humanities and Arts		6
Quantitative Skills and Natural Science (3 courses)		0
Quantitative Skills		Met in major with MATH 201 and 202*
Natural Science		Met in major with PHYS 211
Subtotal		35-41
Requirements in Major: Complete Core and one of five Degree Tracks (ACS-Chemistry, ACS-Approved Biochemistry, ACS Engineering-Physics, ACS Forensic Chemistry, or ACS Chemistry-Business) OR Chemistry or Biochemistry.)		
Required Core Program for ACS Programs		63
BIOL 203-204	Principles of Biology	4
MATH 201-202*	Calculus I & II	8
PHYS 211-212	Physics with Calculus I & II	8
CHEM 105, 106/108	General Chemistry I & II/Lab	8
CHEM 301, 302/304	Organic Chemistry I & II/Lab	8
CHEM 305	Chemical Hygiene and Safety	1
CHEM 312	Introductory Chemometrics	1
CHEM 313, 314	Quantitative Analysis	4
CHEM 407/409, 408/410	Physical Chemistry I/Lab & II/Lab	8
CHEM 491, 492, 493, 494	Department Seminars	0
CHEM 495	Senior Seminar in Chemistry	1
CHEM 523, 525	Biochemistry I	5
CHEM 530, 531	Inorganic Chemistry and Lab	4
CSCI 151	Overview of Computer Science	3
ACS Chemistry Degree Track		6
<i>(Students completing this degree track will be ACS-certified chemistry graduates.)</i>		
CHEM 551-552	Research	6
OR CHEM 500-level courses (not in core) with a total of 3 lab (not lecture) hours		
ACS Biochemistry Degree Track		20-21
<i>(Students completing this degree track will be ASBMB Accredited biochemistry graduates and ACS-certified chemistry graduates.)</i>		
Three BIOL courses from		
BIOL 310, 315, 316, 317, or 555	Microbiol, Cell Biol, Human Genetics, Genetics, Molecular Biol	11-12
CHEM 524	Biochemistry II	3
CHEM 551, 552	Research	6
ACS Engineering-Physics Degree Track		16
<i>(Students completing this degree track will be ACS-certified chemistry graduates.)</i>		
MATH 301, 305	Calculus III, Differential Equations	7
PHYS 321	Materials Science	3
CHEM 551-552	Research	6
OR CHEM 500-level courses (not in core) with a total of 3 lab (not lecture) hours		

*MAED 200 is a co-requisite for MATH 202.

ACS Forensic Chemistry Degree Track		14
<i>(Students completing this degree track will be ACS-certified chemistry graduates.)</i>		
CHEM 502-503	Instrumental Analysis	4
CHEM 505-506	Forensic Analytical Chemistry	4
CHEM 551-552	Research	6
ACS Chemistry-Business Degree Track		24
<i>(Students completing this degree track will be ACS-certified chemistry graduates.)</i>		
CHEM 551, 552	Research	6
OR CHEM 500-level courses (not in core) with a total of 3 lab (not lecture) hours		
ACCT 280-281	Intro to Financial Accounting, Intro to Managerial Acct	6
ECON 215-216	Microeconomics and Macroeconomics	6
Complete two of the following courses:		
FINC 311	Principles of Finance	6
MGMT 321	Management and Leadership	
MKTG 380	Principles of Marketing	
Biochemistry Program of Study		66
MATH 201-202*	Calculus I & II	8
BIOL 203-204	Principles of Biology	4
BIOL 310 or 315	Microbiology, Cell Biology	4
CHEM 105, 106/108	General Chemistry I & II/Lab	8
CHEM 301, 302, 304	Organic Chemistry I & II	8
CHEM 305	Chemical Hygiene and Safety	1
CHEM 312	Introductory Chemometrics	1
CHEM 313, 314	Quantitative Analysis	4
CHEM 407, 409, 408, 410	Physical Chemistry I & II	8
CHEM 491, 492, 493, 494	Department Seminars	0
CHEM 495	Senior Seminar in Chemistry	1
CHEM 523, 525	Biochemistry I, Lab techniques	5
CHEM 524 or 528	Biochemistry II, Advanced Topics in Biochemistry	3
PHYS 211-212	Physics with Calculus I & II	8
Approved math or science electives	>299 chosen from BIOL, CHEM, CSCI, GEOL, MATH, QMTH, PHYS	3
Chemistry Program of Study		63
MATH 201-202*	Calculus I & II	8
BIOL 203, 204	Principles of Biology	4
CHEM 105, 106/108	General Chemistry I & II/Lab	8
CHEM 301, 302/304	Organic Chemistry I & II/Lab	8
CHEM 305	Chemical Hygiene and Safety	1
CHEM 312	Introductory Chemometrics	1
CHEM 313, 314	Quantitative Analysis	4
CHEM 407, 409, 408, 410	Physical Chemistry I & II	8
CHEM 491, 492, 493, 494	Department Seminars	0
CHEM 495	Senior Seminar in Chemistry	1
CHEM (>299)	Chemistry electives	3
PHYS 211-212	Physics with Calculus I & II	8
or PHYS 201-202	General Physics I & II	
Math or science electives (BIOL, CHEM, CSCI, GEOL, QMTH, PHYS, MATH >299)		9
Foreign Language Requirement		3-8†
General Electives		0-20
Total		120-132

†This requirement may be met by a satisfactory score on a recognized examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

*MAED 200 is a co-requisite for MATH 202.

See pages 16-18 for additional degree requirements.

ENGLISH**Faculty****Professors**

Jack DeRochi
 Matthew A. Fike
 Gregg A. Hecimovich, *Chair*
 Josephine A. Koster
 Jane B. Smith

Associate Professors

Debra C. Boyd
 Siobhan Brownson
 Casey Cothran
 Gloria G. Jones
 Robert G. Prickett
 Kelly Richardson

Assistant Professors

Leslie W. Bickford
 Amanda Hiner
 Dustin Hoffman
 Devon Ralston

Instructors

Bryan Ghent
 Ann Jordan
 Cynthia Macri
 Mary Martin
 Norma McDuffie
 Marilyn Montgomery
 Evelyne Weeks

Adjuncts

Clint Alexander
 Kara Beasley
 Steven Case
 Colena Corbett
 Niche Faulkner
 Shannon Goodwin
 Sara Miller-Newman
 Robert Poliquin, Jr.
 Amanda Stewart
 Richard Turner
 MacKenzie Vattimo
 John Paul Walter
 Amanda Winar

Bachelor of Arts in English

The Bachelor of Arts in English is designed for those students who wish to combine their love of reading with a close study of the elements of literary analysis. The English degree prepares students for advanced study in literature and/or careers where writing plays a central role.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	May be met in major or another Gen Ed req	0-3
Technology	May be met in major or another Gen Ed req	0-3
Intensive Writing	May be met in major	0-3
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines		
Global Perspectives	Could be met in major by required courses* See approved list, p. 16	0-3
Historical Perspectives	Could be met in major by required courses* See approved list, p. 16	0-3
Introducing Students to Broad Disciplinary Perspectives		
Social Science	See approved list, p. 16; must include 2 designators	6
Humanities and Arts	Could be partially met in major by required courses* See approved list, p. 16; must include 2 designators	3-6
Quantitative Skills and Natural Science (3 courses)		
Quantitative Skills	See approved list, p. 16	(3-8)
Natural Science	See approved list, p. 16; must include a lab science. If 2 courses taken, must be in 2 different groups: <i>Life, Physical, Earth.</i>	(3-8)
*No more than two courses in the major may count toward requirements in these areas		
Subtotal		32-53
Requirements in Major		
Foundations:		
ENGL 291	Introduction to the English Major	3
One from ENGL 203, 208, or 211	Maj British Auth, Found of World Lit, Maj American Auth	3
Frameworks:		
ENGL 300, WRIT 350, or WRIT 502	Appr to Lit, Intro to Comp Theory & Pedag, Digital Engl Stud	3
Strategic, Creative and Critical Communication:		
6 hours from ENGL 507, 530, WRIT 307, 311, 316, 350, 351, 366, 367, 431, 432, 433, 465, 500, 501, 502, 507, 510 (if appropriate), 511 (if appropriate), 516, 530, or 566.		6

Critical Reading and Research:	
Nine hours from ENGE 510 (if appropriate), 519; ENGL 203, 208, 211, 300, 305, 307, 308 (if appropriate), 310 (if appropriate), 312, 317, 319, 320 (if appropriate), 323, 324, 325, 330, 333 (if appropriate), 370, 431, 432, 433 (if appropriate), 471, 472, 473, 501, 502, 503, 504, 505, 510 (if appropriate), 511, 512, 513, 514, 515, 520, 521, 525, 527, 528, 529, 550; WRIT 500, 510 and 511 (if appropriate)	9
Electives in ENGL, ENGE, or WRIT	9
Capstone:	
ENGL 494	3
Foreign Language Requirement	3-8†
Minor	15-24
General Electives	0-34
Total	120

†This requirement may be met by a satisfactory score on a recognized examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

Not more than 36 semester hours in any one subject designator may be applied toward the major for a Bachelor of Arts degree. See page 14 for more information.

The student must complete a minimum of 12 semester hours of ENGL courses in residence at Winthrop University.

Students seeking admission to the MAT-5 program with Secondary Certification must include the following classes in their majors: ENGE 519, WRIT 350, ENGL 203, 208, 211, 507, and ENGL 530. All must be passed with a grade of C or better and may not be taken S/U. Students seeking entry to the MAT-5 program must also complete the requirements of the minor in Educational Studies.

Transfer Students bringing in more than 12 hours of ENGL and WRIT credit may be exempted from ENGL 291 by permission of the Chair; they will replace those 3 hours with 3 hours of electives in ENGL, WRIT, or ENGE.

See pages 16-18 for additional degree requirements.

Bachelor of Arts in English Certification as Secondary School Teacher

Students desiring Certification as teachers of English should consult with the department's teacher certification advisor and the College of Education section of the catalog for specific requirements for admission to the Teacher Education Program.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	See approved list, p. 16; may be met by other req	0-3
Technology	See approved list, p. 16; may be met by other req	0-3
Intensive Writing	Met in major with WRIT 350	0
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines		
Global Perspectives	See approved list, p. 16; could be met in major*	0-3
Historical Perspectives	See approved list, p. 16; could be met in major*	0-3
Introducing Students to Broad Disciplinary Perspectives		
Social Science	See approved list, p. 16; must include 2 designators*; 3 hours met in Education Sequence with EDUC 200	3
Humanities and Arts	Could be partially met in major by required courses* See approved list, p. 16; must include 2 designators	3-6
Quantitative Skills and Natural Science (3 courses)		9-12
Quantitative Skills	See approved list, p. 16	(3-8)
Natural Science	See approved list, p. 16; [Must include a lab science. If 2 courses taken, must be in 2 different groups: Life, Physical, Earth].	(3-8)
*No more than two courses in the major may count toward requirements in these areas		
Subtotal		29-47
Requirements in Major		36
Foundations:		
ENGL 291	Introduction to the English Major	3
One from ENGL 203, 208, or 211	Maj British Auth, Found of World Lit, Maj American Auth	3
Frameworks:		
WRIT 350**	Intro to Comp Theory & Pedagogy	3

Strategic, Creative and Critical Communication:		
ENGL 507**, 530**	Hist & Develop of Modern Engl; Grammar in Theory/Practice	6
Critical Reading and Research:		
ENGE 519**	Adolescent Literature	3
Six hours from ENGE 510 (if appropriate); ENGL 203, 208, 211, 300, 305, 307, 308 (if appropriate), 310 (if appropriate), 312, 317, 319, 320 (if appropriate), 323, 324, 325, 330, 333 (if appropriate), 370, 431, 432, 433 (if appropriate), 470, 471, 472, 473, 501, 502, 503, 504, 505, 510 (if appropriate), 511, 512, 513, 514, 515, 520, 521, 525, 527, 528, 529, 550; WRIT 500, 510 and 511 (if appropriate)		
	Electives in ENGL, ENGE, or WRIT	6
		12
Capstones:		
ENGE 393 (in professional education sequence) and ENGL 491, Departmental Seminar		0
Professional Education Sequence		38
EDUC 101**	Developing Observation and Analysis Skills	1
EDUC 200**	Developmental Sciences and the Context of Poverty	3
EDUC 220**	Assessment to Meet Diverse Needs	2
EDUC 401	Internship: Contextual Factors	1
EDUC 402	Internship: Assessment and Instruction	9
EDUC 410**	Education in a Democracy	2
EDCO 201**	Supporting the Engl as Sec Lang student in Gen Ed Classrm	2
EDCO 202**	Supporting Exceptional & Gifted Lrnrs in Gen Ed Classroom	2
EDCO 305**	Technology in the Inclusive Classroom	2
EDCO 350**	Acad & Social Strat for Estab Inclusive Classrm Climate	3
ENGE 390	Junior Field Experience	1
ENGE 391**	Princ of Teaching Engl	3
ENGE 393	Seminar in Secondary English Teaching	1
READ 331**	Foundations of Literacy	3
READ 346**	Content Area Literacy	3
Foreign Language requirement		3-8†
General Electives		0-14
Total		120

**A grade of C or better must be earned and may not be taken on the S/U basis.

†This requirement may be met by a satisfactory score on a recognized proficiency examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

Field hours will be required for WRIT 350, EDUC 200, 401, 402, and 410, and EDCO 201, 202, and 305.

All English Education majors must have a cumulative 2.75 GPA in ENGL, ENGE and WRIT courses prior to the internship. In addition to the requirements for their major, students must meet requirements for the Teacher Education Program, which include the requirements for Admission to Teacher Education, Entry to the Professional Stage, and Program Completion. For information on these requirements, consult the Office of Student Academic Services in the Richard W. Riley College of Education. Passage of the PRAXIS II Series content area examinations is required prior to entry into the professional stage for all candidates in the teacher education program. For the most current PRAXIS information required for test(s) in your content area, visit the South Carolina Department of Education website: <http://ed.sc.gov/educators/certification/>.

The student must attain a cumulative grade-point average of 2.75 or better in courses taken at Winthrop and a GPA of 2.0 or better in the 38 hours of the required program. The student must complete a minimum of 12 semester hours in the major in residence at Winthrop University.

Not more than 36 semester hours in any one subject designator may be applied toward the major for a Bachelor of Arts degree. See page 14 for more information.

See pages 16-18 for additional degree requirements.

HISTORY**Faculty****Professors**

Gregory S. Crider, *Chair*
 J. Edward Lee
 Jason H. Silverman
 Virginia S. Williams

Associate Professors

L. Andrew Doyle
 Dave Pretty

Assistant Professor

Gregory Bell
 Catherine Chang

Adjunct

David Mitchell

Bachelor of Arts in History

The history major is frequently chosen by students who wish to pursue careers in such fields as teaching, law, library and archival work, and journalism, as well as in areas less directly related to the study of history, including fields in business and industry.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	See approved list, p. 16; may be met by other req	0-3
Technology	See approved list, p. 16; may be met by other req	0-3
Intensive Writing	Met in major with HIST 300	0
Constitution Requirement	Met in major with HIST 211 or 212	0
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines		
Global Perspectives	See approved list, p. 16 Could be met in major by required courses*	0-3
Historical Perspectives	See approved list, p. 16 Could be met in major by required courses*	0-3
Introducing Students to Broad Disciplinary Perspectives		
Social Science	See approved list, p. 16; must include 2 designators	6
Humanities and Arts	See approved list, p. 16; must include 2 designators Could be partially met in major by required courses*	3-6
Quantitative Skills and Natural Science (3 courses)		
Quantitative Skills	See approved list, p. 16;	(3-8)
Natural Science	See approved list, p. 16; [Must include a lab science. If 2 courses taken, must be in 2 different groups: <i>Life, Physical, Earth</i>].	(3-8)
*No more than two courses in the major may count toward requirements in these areas		
Subtotal		32-41
Requirements in the Major		
2 of HIST 111, 112, 113	World Civ to 950, Wld Civ 950-1750, Wld Civ Since 1750	6
HIST 211	US History to 1877	3
HIST 212	US History since 1877	3
HIST 300	Historiography and Methodology	3
HIST 590	Senior Capstone Seminar	3
HIST electives above 299		15
6 hours must be at the 500 level and at least 3 semester hours from each of the following groupings:		
United States:		
HIST 302, 308, 310, 312, 313, 314, 315, 325, 501, 502, 505, 509, 515, 518, 521, 522, 525, 527;		
Europe:		
HIST 344, 345, 346, 347, 540, 542, 547, 548, 549		
Asia, Africa and Latin America:		
HIST 333, 334, 335, 337, 338, 351, 352, 554, 555, 560, 561.		
HIST 350, 355A, B, C, 450, 463, 471/472/473, and 550 may also be taken as electives and would be applied to groupings as above in which the particular subject matter applies.		
Foreign Language Requirement		3-8†
Minor		15-24
General Electives		14-37
Total		120

†This requirement may be met by a satisfactory score on a recognized examination (such as CLEP) or by passing any foreign

language course numbered 102 or any course with 102 as a prerequisite.

Not more than 36 semester hours in any one subject designator may be applied toward the major for a Bachelor of Arts degree. See page 14 for more information.

Students must complete a minimum of 12 semester hours of HIST courses in residence at Winthrop University.

See pages 16-18 for additional degree requirements.

HUMAN NUTRITION

Faculty

Associate Professors

Wanda Koszewski, *Chair*

Assistant Professor

Danielle Nunnery

Lauren Sastre

Instructors

Stephanie Nielsen

Leslie Thompson

Adjuncts

Karin Evans

Terah Goad

Patricia Prince-Griffin

Mildred Strother-Davis

Elizabeth Weikle

Bachelor of Science in Human Nutrition Didactic Program in Dietetics Option

ACEND Accredited Didactic Program in Dietetics

Students completing Winthrop University's Didactic Program in Dietetics meet or exceed the minimum academic requirements of the Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics. ACEND is a specialized accrediting body recognized by the United States Department of Education. The address and phone number of ACEND are: 120 South Riverside Plaza, Suite 2190, Chicago, IL 60606-6995, (312) 899-4876. ACEND Didactic Program in Dietetics verification from Winthrop University requires completion of the B.S. degree in Human Nutrition with a minimum grade point average of 3.0 in major courses and an overall minimum grade point average of 2.8. While students may graduate with a B.S. degree in Human Nutrition, only students meeting the above criteria will receive an ACEND Verification Statement, which allows graduates to apply to ACEND accredited dietetic internship programs.

At least 32 semester hours of NUTR courses above the 299 level must be completed at Winthrop University. A maximum of 12 hours of NUTR-equivalent courses above the 199 level may be transferred into the major from another accredited institution with approval from the Director of The Didactic Program in Dietetics. No credit will be accepted for NUTR courses greater than ten years old.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	Met in the major with NUTR 370	0
Technology	See approved list, p. 16	3
Intensive Writing	Met in the major with NUTR 494	0
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines		
Global Perspectives	See approved list, p. 16	3
Historical Perspectives	See approved list, p. 16	3
Introducing Students to Broad Disciplinary Perspectives		
Social Science	See approved list, p. 16; must include 2 designators	6
Humanities and Arts	See approved list, p. 16; must include 2 designators	6
Quantitative Skills and Natural Science (3 courses)		
Quantitative Skills	See approved list, p. 16	(3-4)
Natural Science	Met in major with CHEM 106/108 and NUTR 221	0
Subtotal		35-39
Requirements in Major		
NUTR 221	Human Nutrition	3
NUTR 226, 227	Orientation to Dietetics, Medical Terminology	2
NUTR 231/232	Food Composition, Food Comp lab	4
NUTR 370	Food/Nutrition Cultural Perspectives	3

COLLEGE OF ARTS & SCIENCES--ENVIRONMENTAL STUDIES

NUTR 371	Food & Nutr Mgmt I	3
NUTR 421	Nutrition Through the Life Span	3
NUTR 427	Principles of Clinical Nutrition	3
NUTR 428	Community Nutrition	3
NUTR 471	Food & Nutr Mgmt II	3
NUTR 480	Nutr Educ Theory & Practice	3
NUTR 490A	Practicum Experience	1
NUTR 494	Seminar in Human Nutrition	3
NUTR 518	Medical Nutrition Therapy Lab	1
NUTR 521	Nutrition and Metabolism	3
NUTR 523/524	Food Science Principles, Sensory, Objective Eval of Food	4
NUTR 527	Medical Nutrition Therapy	3
BIOL 213, 214, 310	Human Anatomy & Physiology I&II, Microbiology	12
CHEM 105, 106/108 and 310	Gen Chem I & II, Essentials of Organic Chem	11
<i>Select 3 hours from: ACCT 280, ATRN 510, GRNT/SCWK 300, HCMT 200, HLTH 300, NUTR 520, PSYC 206, and PSYC 213</i>		3
MATH 141	Finite, Probability, Statistics	3
Foreign Language Requirement		3-8†
General Electives		0-8
Total		120

†This requirement may be met by a satisfactory score on a recognized examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

See pages 16-18 for additional degree requirements.

INTERDISCIPLINARY STUDIES

Faculty

Professor	Assistant Professor	Instructor
Marsha Bollinger, <i>Chair</i>	Margaret Gillikin	Bryan McFadden

Bachelor of Arts in Environmental Studies

The Bachelor of Arts degree in Environmental Studies will provide students with a broad introduction to the scientific, social, political, cultural, economic, and policy aspects of environmental issues. B.A. students will minor in a discipline linked to their major and will be prepared to pursue careers with environmental groups, policy groups, and consulting firms and to continue studies in graduate programs in environmental studies and law.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	See approved list, p. 16; may be met by other req	0-3
Technology	Met in major with GEOG/GEOL 305 or GEOG 308	0
Intensive Writing	Met in major with ENV 490	0
Constitution Requirement	May be met in major with ECON 103	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines*		
Global Perspectives	Met in major with GEOG 101 or 201	0
Historical Perspectives	See approved list, p. 16; may be met in major	0-3
Introducing Students to Broad Disciplinary Perspectives*		
Social Science	See approved list, p. 16; must include 2 designators May be partially met in the major	0-3
Humanities and Arts	See approved list, p. 16; must include 2 designators May be partially met in the major	3-6
Quantitative Skills and Natural Science* (3 courses)		
Quantitative Skills	See approved list, p. 16	(3-8)
Natural Science	See approved list, p. 16; [Must include a lab science. If 2 courses taken, must be in 2 different groups: <i>Life, Physical, Earth</i>].	(3-8)
Subtotal		23-38

Requirements in the Major		40-45
ENVS 101	Intro to Environmental Issues	3
ENVS 220	Environmental Career Exploration	1
ENVS 350	Special Topics in the Environment	3
ENVS 490	Senior Seminar in the Environment	3
ECON 103 or 215	Intro to Political Economy, Prin of Microeconomics	3
GEOG 101 or 201	Human Geography, Geog of World Regions	3
GEOG/GEOL 305 or GEOG 308	Intro to Geographic Info Systems, Intro to Geospatial Tech	3
One course in statistics: MATH 141, QMTH 205, PLSC 350 or PSYC 301		3-4
Environmental experiential learning: ENVS 461, 462, 463, 470 or 495		0-3
<i>Environmental Electives</i> --Select five courses from the following:		15
ANTH 326, 350 (when titled "Food & Culture"), 540, BIOL 309, ECON 343, ENVS 350 (when different titles), GEOG 302, 320, 500, HIST/PEAC 502, PHIL 340, PLSC 321, 325, PSYC 311, SOCL 310, SUST 102, 300, MGMT 330		
<i>Science and Math Electives:</i>		3-4
In addition to courses that fulfill Quantitative Skills and Natural Sciences General Education requirements, select one course in BIOL, CHEM, GEOL, MATH, NUTR, PHYS, or SCIE		
Foreign Language		3-8†
Minor		15-24
General Electives		5-39
Total		120

†This requirement may be met by a satisfactory score or a recognized examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

*Note: Because this is an interdisciplinary major, the two course rule is not in effect for these areas.

See pages 16-18 for additional degree requirements.

Bachelor of Science in Environmental Sciences

The Bachelor of Science degree in Environmental Sciences will educate students in the scientific, social, political, ethical, and policy aspects of environmental issues in preparation for scientific careers in industry, government, and consulting, and for graduate programs in environmental sciences.

General Education Courses	Semester Hours	
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	See approved list, p. 16; may be met in major	0-3
Technology	Met in major with GEOG/GEOL 305 or GEOG 308	0
Intensive Writing	Met in major with ENVS 490	0
Constitution Requirement	See approved list, p. 16; may be met in major with ECON 103	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines*		
Global Perspectives	See approved list, p. 16; may be met in major	0-3
Historical Perspectives	See approved list, p. 16; may be met in major	0-3
Introducing Students to Broad Disciplinary Perspectives*		
Social Science	See approved list, p. 16; must include 2 designators;	0-6
May be met in the major		
Humanities and Arts	See approved list, p. 16; must include 2 designators	3-6
May be partially met in the major		
Quantitative Skills and Natural Science* (3 courses)		
Quantitative Skills	Met in major with MATH	0
Natural Science	Met in major	0
Subtotal		14-35
Requirements in the Major		77-88
ENVS 101	Intro to Environ Issues	3
ENVS 220	Environmental Career Exploration	1
ENVS 350	Special Topics in the Environment	3
ENVS 490	Senior Seminar in the Environment	3
BIOL 150/151 or 203/204**	Elements of Living Systems, Principles of Biology/Lab	4
BIOL 205 or 206	General Botany, Zoology	4
BIOL 300	Scientific Process	4
BIOL 403 or 515	Ecology, Environmental Biol	4
CHEM 105, 106/108	General Chem I & II	8

COLLEGE OF ARTS & SCIENCES--ENVIRONMENTAL SCIENCES

CHEM 301 or 310	Organic Chem I, Essential of Organic Chem	3-4
GEOG/GEOL 305 or GEOG 308	Intro to Geographic Info Systems, Intro to Geospatial Tech	3
GEOL 110/113; 335 or 340**	Physical Geol/Lab, Geochemistry, Hydrogeology	7
MATH 105 or 201	Applied Calculus, Calculus I	3-4
PHYS 201 or 211	General Physics, Physics with Calculus	4
**recommended		
One course in statistics: MATH 141, QMTH 205, PLSC 350 or PSYC 301		3-4
Environmental experiential learning: ENV5 461, 462, 463, 470 or 495		0-3
<i>Science/Math Electives</i>		8-13
Select additional courses numbered above 199 from at least 2 designators in BIOL, CHEM, GEOL, MATH, NUTR, PHYS, or SCIE		
<i>Environmental electives</i>		12
Select at least three designators from the following:		
ANTH 326, 350, 540	Native Peoples & Environ, Special Topics (when titled Food and Culture), Human Ecology	
BIOL 309	Economic Botony	
ECON 103 or 215, 343	Polit Econ, Prin of Microecon, Envir Econ	
ENV5 350 (when different titles)	Special Topics in the Environment	
GEOG 101 or 201, 302, 320, 500	Human Geog, World Geog, Geog Info Systems, Remote Sensing, Global Environ	
HIST/PEAC 502	Social Movements in US Since 1960	
PHIL 340	Environmental Ethics	
PLSC 321, 325	Public Policy & Policy Analysis, Environmental Politics	
PSYC 311	Ecological Psychology	
SOCL 310	Sociology of Environment	
SUST 102, 300	Intro to Sustainability, Topics in Applied Sustainability	
MGMT 330	Sustainable Business Practices	
Foreign Language Requirement		3-8†
General Electives		0-26
Total		120

†This requirement may be met by a satisfactory score on a recognized examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

*Note: Because this is an interdisciplinary major, the two course rule is not in affect for these areas.

See pages 16-18 for additional degree requirements.

COLLEGE OF ARTS & SCIENCES--INDIVIDUALIZED STUDIES
Bachelor of Arts in Individualized Studies

	Semester Hours
General Education Courses	
ACAD 101	Principles of the Learning Academy 1
Shared Skills and Proficiencies	
Writing and Critical Thinking	
WRIT 101, HMPX 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing 9
Oral Communication	See approved list, p. 16; may be met in major 0-3
Technology	See approved list, p. 16; may be met in major 0-3
Intensive Writing	Met in major with IDVS 490 0
Constitution Requirement	See approved list, p. 16; may be met by other req 0-3
Physical Activity	See approved list, p. 16 1
Thinking Critically Across Disciplines	
Global Perspectives	See approved list, p. 16; may be met in major 0-3
Historical Perspectives	See approved list, p. 16; may be met in major 0-3
Introducing Students to Broad Disciplinary Perspectives*	
Social Science	See approved list, p. 16; must include 2 designators; may be met in major 0-6
Humanities and Arts	See approved list, p. 16; must include 2 designators; may be met in major 0-6
Quantitative Skills and Natural Science (3 courses)*	0-12
Quantitative Skills	See approved list, p. 16; may be met in major (3-8)
Natural Science	See approved list, p. 16; may be met in major (3-8) [Must include a lab science. If 2 courses taken, must be in 2 different groups: <i>Life, Physical, Earth</i>].
Subtotal	11-50
Requirements in Major**	36
IDVS 390	Individualized Studies Project: Research and Design 3
IDVS 490	Individualized Studies Project: Capstone 3
Individualized plan of study approved by a review committee	30 **
Must include:	
A research methods course (3 credit hours),	
An international content course (3 credit hours),	
And at least 18 credit hours above 299.	
Requirements in Minor	15-24
Foreign Language Requirement	3-8†
Electives	2-55
Total	120

***Note:** Because this is an interdisciplinary major, the two course rule is not in affect for these areas.

†This requirement may be met by a satisfactory score on a recognized examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

The student must attain a cumulative grade-point average of 2.00 or better in courses taken at Winthrop and included in the 36 semester hours of the required program. In addition to the 36 semester hours of the required program, the student must select and complete a minor, attaining no less than a 2.0 GPA in the minor. Within the 120 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299.

**To be admitted into the program as a major, the student must submit a program application and plan of study to the Director of the Individualized Studies Program. Consult the program director and program web site for more details on admissions requirements. A student must have successfully completed 30 credit hours and have a GPA of 2.75 or better before formal admission can take place. Students with a 2.5 or fewer than 30 credits may be admitted at the discretion of the Program Director.

Not more than 36 semester hours in any one subject designator may be applied toward the major for a Bachelor of Arts degree. See page 14 for more information.

See pages 16-18 for additional degree requirements.

COLLEGE OF ARTS & SCIENCES--SOCIAL STUDIES CERTIFICATION
Bachelor of Arts in Social Studies Education
Certification as Secondary School Teacher

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	Met in Prof Education Sequence with EDUC 401	0
Technology	Met in Prof Education Sequence with EDCO 305	0
Intensive Writing	Met in Prof Education Sequence with SCST 391	0
Constitution Requirement	Met in major with PLSC 201	0
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines		
Global Perspectives	Met in major with GEOG 101	0
Historical Perspectives	Met in major with HIST 211	0
Introducing Students to Broad Disciplinary Perspectives		
Social Science	Met in major with PSYC 101 & ECON 215	0
Humanities and Arts	See approved list, p. 16; must include 2 designators 3 hours met in major with HIST 111, 112 or 113	3
Quantitative Skills and Natural Science (3 courses)		9-12
Quantitative Skills	See approved list, p. 16; if Economics concentration chosen, must take MATH 105 or 201	(3-8)
Natural Science	See approved list, p. 16; [Must include a lab science. If 2 courses taken, must be in 2 different groups: <i>Life, Physical, Earth</i>].	(3-8)
Subtotal		23-26
Core Requirements		39
PLSC 201; 205 or 207	Am Gov't, Int'l Politics, Comparative Politics	6
ECON 215, 216	Microeconomics, Macroeconomics	6
GEOG 101; GEOG 201 or 303 or 306	Human Geography, World Regions, Africa, Latin Amer	6
PSYC 101	General Psychology	3
SOCL 101 or 201	Social Problems, Principles of Sociology	3
HIST 211, 212	US History to 1877, US History since 1877	6
2 of HIST 111, 112, 113	World Civ to 950, 950- 1750, Since 1750	6
HIST 344, 345, 346, or 347	European History	3
Concentrations (Choose one)		
Economics		18%
ECON 315, 316	Microeconomic Analysis, Macroeconomic Analysis	6
ECON electives		12
Select from ECON 306*, 331, 332, 335, 343, 345, 415 and 521 (*includes a prerequisite not included in the program)		
History		18%
HIST 300	Historiography and Methodology	3
HIST electives (Include at least 6 hours at the 500-level and at least 3 hours from each group)		15
US: HIST 302, 308, 310, 313, 314, 315, 325, 501, 505, 509, 515, 518, 521, 522, 524, 525, 527		
Europe: HIST 344, 345, 346, 347, 540, 542, 547, 548, 549		
Asia, Africa, & Latin America: HIST 333, 334, 335, 337, 338, 351, 352, 554, 555, 560, 561		
HIST 350, 355ABC, 450, 463, 471, 472, and 550 may be taken as electives and may be applied to the appropriate grouping of the assigned subject matter.		
Political Science (Choose 3 credits from each of the following categories)		18%
American Government: PLSC 202, 305, 306, 307, 310, 311, 312, 313, 314, 371 or 518		3
Political Theory: PLSC 351, 352, 355, 356, 551 or 553		3
Public Policy and Administration: PLSC 317, 319, 321, 323, 324, 325, 504, 508, 512, or 515		3
PLSC electives		9
Psychology		18%
Select 3 courses from PSYC 206, 213, 305, 335, 408, 409		9
Select 3 PSYC electives		9
Sociology and Anthropology		18%
ANTH 201	Intro to Cultural Anthropology	3
ANTH/SOCL 302	Anthropological/Social Theory	3
SOCL 316, 516, 598	Social Research I & II, Senior Seminar	9

COLLEGE OF ARTS & SCIENCES--SOCIAL STUDIES CERTIFICATION

ANTH/SOCL electives		3
Professional Education Sequence		40***
EDUC 101	Developing Observation and Analysis Skills	1
EDUC 200	Developmental Sciences and the Context of Poverty	3
EDUC 220	Assessment to Meet Diverse Needs	2
EDUC 401	Internship: Contextual Factors	1
EDUC 402	Internship: Assessment and Instruction	9
EDUC 410	Education in a Democracy	2
EDCO 201	Supporting the Engl as Sec Lang student in Gen Ed Classrm	2
EDCO 202	Supporting Exceptional & Gifted Lrnrs in Gen Ed Classroom	2
EDCO 305	Technology in the Inclusive Classroom	2
EDCO 350	Acad & Social Strat for Estab Inclusive Classrm Climate	3
READ 331, 346	Found of Literacy-Mid Lev/Sec, Cont Area Read/Write	6
SCST 390, 391, 393	Princ Teaching Soc Studies I & II, Seminar in Soc Stud Educ	7 [%]
Foreign Language Requirement		3-8†
Total		123

†This requirement may be met by a satisfactory score on a recognized examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

%Students must receive a C- or better in all SCST core and methods courses and all of their concentration courses.

***A grade of C or better is required in all EDUC, EDCO, and READ courses. No core course can be taken for S/U credit with the exception of EDUC 401 & 402. Note that field hours will be required for EDUC 200, EDCO 201, 202, 305, 350, EDUC 401, 402, 410, and SCST 390. EDUC 401 and 402 follow the K-12 public school calendar. More information on all these requirements is included in the course descriptions posted through the Schedule of Courses on the Office of Records and Registration website. In addition to the requirements for their major, students must meet requirements for the Teacher Education Program, which include the requirements for Admission to Teacher Education, Entry to the Professional Stage, and Program Completion. For information on these requirements, consult the Student Academic Services in the Riley College of Education.

Passage of the PRAXIS II Series content area examinations is required prior to entry into the professional stage for all candidates in the teacher education program. For the most current PRAXIS information required for test(s) in your content area, visit the <http://www.winthrop.edu/cas/socialstudieseducation> and select Student Resources-Helpful Links. The student must attain a cumulative grade-point average of 2.75 or better in courses taken at Winthrop and a minimum of a 2.0 in the 57 semester hours of the required program. The student must complete a minimum of 12 semester hours of social studies courses in residence at Winthrop University.

See pages 16-18 for additional degree requirements.

MASS COMMUNICATION**Faculty****Professors**

J. William Click, *Professor Emeritus*
 Padmini Patwardhan
 Guy Reel, *Chair*
 Marilyn S. Sarow, *Professor Emerita*

Associate Professors

Nathaniel Fredrick II

Assistant Professors

Sabrina Habib
 William Schulte
 Aimee Meader

Instructors

Mark S. Nortz
 Bonnye Stuart

Bachelor of Arts in Mass Communication

Students majoring in mass communication are interested in careers in newspaper journalism, broadcast journalism, broadcast production, media management, magazine journalism, public relations, advertising, business journalism, or online journalism.

By the time of graduation, mass communication graduates are expected to be able to gather, organize and process information; conduct interviews; write to a professional level of competence; and edit and produce, in printed, broadcast, and online form, all while meeting standards of professional ethics.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXF 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	Met in major with SPCH 201	0
Technology	Met in major with CSCI 101 and labs	0
Intensive Writing	Met in major with MCOM 412	0
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines*		
Global Perspectives	See approved list, p. 16; may be met in major	0-3
Historical Perspectives	See approved list, p. 16	3
Introducing Students to Broad Disciplinary Perspectives*		
Social Science	See approved list, p. 16; must include 2 designators May be partially met in major	3-6
Humanities and Arts	See approved list, p. 16; must include 2 designators	6
Quantitative Skills and Natural Science* (3 courses)		
Quantitative Skills	See approved list, p. 16; may be met in major	(0-8)
Natural Science	See approved list, p. 16; [Must include a lab science. If 2 courses taken, must be in 2 different groups: <i>Life, Physical, Earth</i>].	(3-8)
*No more than two courses in the major may count toward requirements in these areas		
Subtotal		29-44
Requirements in Major (C- or higher required in all MCOM courses)		
SPCH 201	Public Speaking	3
CSCI 101, 101B, 101F, & 101N	Intro to Computing & Info Processing, labs	3
MATH 101, 150 or 151; MATH 141	Alg & Trig for Calculus; Intro Discrete Math, Applied College Alg; Finite Probability & Statistics	6
MCOM 205	Intro to Mass Communication	3
MCOM 226	Multimedia Storytelling & Production	3
MCOM 241	Media Writing	3
MCOM 301	Mass Comm Theory & Research	3
MCOM 310	Mass Media Law	3
MCOM 325	Broadcast Journalism	3
MCOM 412	Ethics & Issues in Mass Comm	3
MCOM 441	Multimedia Reporting of Public Issues	3
MCOM 461-463 or 464	Mass Comm Internship or Practicum	1-3

COLLEGE OF ARTS & SCIENCES--INTEGRATED MARKETING COMMUNICATION

MCOM 499	Senior Portfolio	1
Broadcast interest:		
MCOM 425	Advanced Broadcast Journalism	3
MCOM 446	Advanced Television Production	3
MCOM elective		3
OR		
Journalism Interest:		
MCOM 330	Convergent Journalism	3
MCOM Electives		6
Foreign Language Requirement		3-8†
Minor		15-24
General Electives		0-29
Total		120-125

†This requirement may be met by a satisfactory score on a recognized proficiency examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

The mass communication major is limited to 40 hours of MCOM courses. Students who exceed 40 hours in MCOM will not be allowed to apply those additional hours toward the 120 hours required for the degree program.

At least 21 semester hours of the major must be completed at Winthrop University. A maximum of 12 semester hours may be transferred into the major from another accredited institution; additional transfer hours in journalism or mass communication will not apply toward the degree. MCOM 241 must be taken at Winthrop or at an ACEJMC accredited institution. Students must complete at least 72 credit hours outside of MCOM.

See pages 16-18 for additional degree requirements.

Bachelor of Science in Integrated Marketing Communication

Students majoring in integrated marketing communication are interested in careers in the communication professions that support the strategic promotion of products and services to consumers and business organizations, including advertising, public relations, integrated marketing communication, and corporate communication.

By the time of graduation, integrated marketing communication graduates are expected to be able to gather, organize and process information and data; conduct interviews; write in professional style to a professional level of competence; and produce promotional communication messages and materials in printed, electronic or multimedia form, all while meeting standards of professional ethics.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	Met in major with SPCH 201	0
Technology	Met in major with CSCI 101 and labs	0
Intensive Writing	Met in major with MCOM 471	0
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines*		
Global Perspectives	See approved list, p. 16; could be met in major	0-3
Historical Perspectives	See approved list, p. 16	3
Introducing Students to Broad Disciplinary Perspectives*		
Social Science	See approved list, p. 16; must include 2 designators	6
Humanities and Arts	See approved list, p. 16; must include 2 designators May be partially met in major	3-6
Quantitative Skills and Natural Science* (3 courses)		
Quantitative Skills	See approved list, p. 16; May be partially met in major	0-4
Natural Science	See approved list, p. 16; [Must include a lab science. If 2 courses taken, must be in 2 different groups: <i>Life, Physical, Earth</i>].	(3-8)
<i>*No more than two courses in the major may count toward requirements in these areas</i>		
Subtotal		29-40
Requirements in Major (C- or higher required in all IMCO, MCOM, MGMT & MKTG courses)		
SPCH 201	Public Speaking	3
MATH 151	Applied College Algebra	3
IMC & Visual Arts (7)		
IMCO 105, 475	Intro to Integ Mktg Comm, Seminar in IMC	4
ARTS 305 or 311 or VCOM 222 or 258 or 259 or 354		3

COLLEGE OF ARTS & SCIENCES--INTEGRATED MARKETING COMMUNICATION

Business (24)		
CSCI 101, 101B, 101C, & 101N	Intro to Computing & Info Processing, labs	3
QMTH 205 and 210	Business Statistics and Business Analytics	6
MGMT 321	Management & Leadership	3
MKTG 380	Principles of Marketing	3
MKTG 381	Consumer Behavior	3
MKTG 385	Marketing Research	3
One from ACCT 280, MGMT 341+, MKTG 387, 483, 581		3
Mass Communication (26-28)		
MCOM 226	Multimedia Storytelling & Production	3
MCOM 241**	Media Writing	3
MCOM 310	Mass Media Law	3
MCOM 341	Advertising Principles	3
MCOM 349	Advertising Copy and Layout	3
MCOM 370	Public Relations Principles	3
MCOM 471	Public Relations Writing and Production	3
One of MCOM 461 or 462 or 463	Mass Comm Internship	1-3
MCOM 499	Senior Portfolio	1
MCOM elective above 299		3
Foreign Language Requirement		3-8†
General Electives		7-25
Total		120

†This requirement may be met by a satisfactory score of a recognized examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

**MCOM 241 must be taken at Winthrop or at an ACEJMC accredited institution.

*Requires additional pre-requisite of CSCI 101D.

The student must attain a cumulative grade-point average of 2.0 or better in courses taken at Winthrop and included in the required courses in the integrated marketing communication program.

The integrated marketing communication major is limited to 36 hours of MCOM and IMCO courses and 30 hours of business administration courses (excluding CSCI, ECON, and QMTH as prescribed by major). Students who exceed these maxima will not be allowed to apply those additional hours toward the required degree program. An IMCO major cannot minor in business administration.

At least 35 semester hours of the 47 required hours in mass communication and business administration must be completed at Winthrop University. A maximum of 12 semester hours may be transferred into the major from other accredited institutions; additional transfer hours in journalism, mass communication, marketing and management will not apply toward the major and will not apply toward the degree if they exceed 36 hours in MCOM and IMCO or 30 hours in business administration. Students must complete at least 72 hours outside of MCOM.

See pages 16-18 for additional degree requirements.

MATHEMATICS**Faculty****Professors**Thomas W. Polaski, *Chair***Associate Professors**

Kristen Abernathy

Trent Kull

Frank B. Pullano

Mary Pat Sjostrom

Assistant Professors

Zachary Abernathy

Duha Hamed

Arran Hamm

Jessica Hamm

Adjuncts

Stephanie Herring

Kimberley Hope

Christopher Howle

Suzy Tolson

Sue Wasco

Jane Wilkes

Bachelor of Arts in Mathematics

The Bachelor of Arts in Mathematics program is designed to provide a broad introduction to the study of mathematics and its sub-fields and to allow students to pursue a minor in a related field of study. This program is the more flexible option for students wishing to complete combined majors. In addition to a core of courses and elective options in mathematics, this program allows students to pursue internships, individualized independent study, and undergraduate research with faculty members. This program equips students to follow a variety of post-college paths. Graduates of this program pursue further education at graduate schools in related disciplines or hold responsible positions in businesses and governmental agencies.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	Met in major with MATH 400	0
Technology	Met in major with CSCI 151	0
Intensive Writing	Met in major with MATH 400	0
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines		
Global Perspectives	See approved list, p. 16	3
Historical Perspectives	See approved list, p. 16	3
Introducing Students to Broad Disciplinary Perspectives		
Social Science	See approved list, p. 16; must include 2 designators	6
Humanities and Arts	See approved list, p. 16; must include 2 designators	6
Quantitative Skills and Natural Science (3 courses)		
Quantitative Skills	Met in major with MATH 201 and 202	0
Natural Science	See approved list, p. 16; must include a lab science.	3-4
Subtotal		32-36
Requirements in the Major		
MATH 201*, 202*, & 301	Calculus I, II, & III	12
MATH 300	Linear Algebra	3
MATH 310	Mathematical Reasoning	3
MATH 341	Statistical Methods	3
MATH 370	Mathematical Modeling	3
MATH 400	Senior Seminar	3
MATH 311 or 351	Real Analysis, Introduction to Modern Algebra	3
MATH courses above 300 (excluding MATH 393 & 546)		3
MATH courses above 500 (excluding MATH 546)		3
CSCI 151, 207	Overview of Comp Sci, Intro to Comp Sci I	7
MAED 200, 400	Intro to Mathematica, Assessment Capstone	1
Minor		15-24
Foreign Language Requirement		3-8†
General Electives		8-26
Total		120

†This requirement may be met by a satisfactory score on a recognized examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

*A grade of C- or better required

The student must complete a minimum of 12 semester hours of MATH courses in residence at Winthrop University. No more than three hours of Academic Internship in mathematics (MATH 461 or 463) can count toward the major. Not more than 36 semester hours in any one subject designator may be applied toward the major for a Bachelor of Arts degree. See page 14 for more information.

See pages 16-18 for additional degree requirements.

Bachelor of Arts in Mathematics - Certification as Secondary School Teacher

The Bachelor of Arts in Mathematics with certification program is designed to provide a broad introduction to the study of mathematics and its sub-fields while providing a path for certification for mathematics teaching in grades 9 through 12. In addition to a core of courses and elective options in mathematics, this program allows students to pursue individualized independent study and undergraduate research with faculty members. This program equips students to teach the variety of mathematics courses offered at the high school level and to communicate the connections between various mathematical ideas in a manner appropriate for high school students. Graduates of this program are sought-after candidates for teaching positions across South Carolina and beyond.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	Met in Education Sequence with EDUC 400	0
Technology	Met in major with CSCI 151	0
Intensive Writing	Met in Education Sequence with MAED 548	0
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines		
Global Perspectives	See approved list, p. 16	3
Historical Perspectives	See approved list, p. 16	3
Introducing Students to Broad Disciplinary Perspectives		
Social Science	See approved list, p. 16; must include 2 designators 3 hours met in Education Sequence with EDUC 200	3
Humanities and Arts	See approved list, p. 16; must include 2 designators	6
Quantitative Skills and Natural Science (3 courses)		
Quantitative Skills	Met in major with MATH 201 & 202	0
Natural Science	See approved list, p. 16; Must include a lab science.	3-4
Subtotal		29-33
Requirements in Major		
		44
MATH 201*, 202*, 301	Calculus I, II, III	12
MATH 300*	Linear Algebra	3
MATH 310	Mathematical Reasoning	3
MATH 341	Statistical Methods	3
MATH 351	Introduction to Modern Algebra	3
MATH 370	Mathematical Modeling	3
MATH 520*	Foundations of Geometry	3
MATH courses above 300 (excluding MATH 393 & 546)		6
CSCI 151, 207	Overview of Comp Sci, Intro to Comp Sci I	7
MAED 200, 400	Intro to Mathematica, Assess Capstone	1
Professional Education Sequence		
		40%
EDUC 101	Developing Observation and Analysis Skills	1
EDUC 200	Developmental Sciences and the Context of Poverty	3
EDUC 220	Assessment to Meet Diverse Needs	2
EDUC 401	Internship: Contextual Factors	1
EDUC 402	Internship: Assessment and Instruction	9
EDUC 410	Education in a Democracy	2
EDCO 201	Supporting the Engl as Sec Lang student in Gen Ed Classrm	2
EDCO 202	Supporting Exceptional & Gifted Lnrs in Gen Ed Classroom	2
EDCO 305	Technology in the Inclusive Classroom	2
EDCO 350	Acad & Social Strat for Estab Inclusive Classrm Climate	3
MAED 393	Seminar in Mathematics	1
MAED 591*, 548	Prin of Teach Math, Sec Math Curr	6
READ 331, 346	Foundation of Literacy, Content Area Read/Writ	6
Foreign Language Requirement		
		3-8†
General Electives		
		0-4
Total		120-125

†This requirement may be met by a satisfactory score on a recognized examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

* A grade of C- or better is required.

% A grade of C or better is required in all EDUC, EDCO, and READ courses and may not be taken on the S/U basis with the exception of EDUC 401 & 402. Field hours will be required for MAED 591, EDUC 200, 401, 402, 410, EDCO 201, 202,

and 305. EDUC 401 and 402 follow the K-12 public school calendar.

All Mathematics Education majors must have a C- or better in MATH 201, 202, 300, and 520 prior to taking EDUC 400.

In addition to the requirements for their major, students must meet requirements for the Teacher Education Program, which include the requirements for Admission to Teacher Education, Entry to the Professional Stage, and Program Completion. For information on these requirements, consult the Office of Student Academic Services in the Richard W. Riley College of Education. Passage of the PRAXIS II Series content area examinations is required prior to entry into the professional stage for all candidates in the teacher education program. For the most current PRAXIS information required for test(s) in your content area, visit the South Carolina Department of Education website: <http://ed.sc.gov/educators/certification/>

The student must attain a cumulative grade-point average of 2.75 or better in courses taken at Winthrop and a GPA of 2.0 or better in the 44 hours of the required program. The student must complete a minimum of 12 semester hours in the major in residence at Winthrop University. *Not more than 36 semester hours in any one subject designator may be applied toward the major for a Bachelor of Arts degree. See page 14 for more information.*

See pages 16-18 for additional degree requirements.

Bachelor of Science in Mathematics

The Bachelor of Science in Mathematics program is designed to provide a broad introduction to the study of mathematics and its sub-fields and to give students the opportunity to master advanced material in mathematics and allied disciplines. This program requires additional mathematics courses beyond those required for the Bachelor of Arts in Mathematics programs and thus offers students the ability to explore advanced topics in mathematics more extensively. This program allows students to pursue internships, individualized independent study, and undergraduate research with faculty members. This program equips students to follow a variety of post-college paths and is specifically designed to prepare students for graduate work in mathematics. Graduates of this program typically pursue further education at graduate schools in mathematics and allied disciplines, teach in post-secondary settings, or hold responsible positions in businesses and governmental agencies.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	Met in major with MATH 400	0
Technology	Met in major with CSCI 151	0
Intensive Writing	Met in major with MATH 400	0
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines		
Global Perspectives	See approved list, p. 16	3
Historical Perspectives	See approved list, p. 16	3
Introducing Students to Broad Disciplinary Perspectives		
Social Science	See approved list, p. 16; must include 2 designators	6
Humanities and Arts	See approved list, p. 16; must include 2 designators	6
Quantitative Skills and Natural Science (3 courses)		
Quantitative Skills	Met in major with MATH 201 and 202	0
Natural Science	See approved list, p. 16; must include a lab science. (PHYS 211 recommended)	3-4
Subtotal		32-36
Required Program		
MATH 201*, 202*, & 301	Calculus I, II, & III	12
MATH 300	Linear Algebra	3
MATH 310	Mathematical Reasoning	3
MATH 311	Real Analysis	3
MATH 341	Statistical Methods	3
MATH 351	Introduction to Modern Algebra	3
MATH 370	Mathematical Modeling	3
MATH 400	Senior Seminar	3
MATH electives above 300 (excluding MATH 393 and 546)		12
MATH courses above 500 (excluding MATH 546)		6
MAED 200, 400	Intro to Mathematica, Assessment Capstone	1
CSCI 151, 207, 208	Overview of Comp Sci, Intro to Comp Sci I& II	11
Foreign Language Requirement		3-8†

General Electives	13-22
Total	120

†This requirement may be met by a satisfactory score on a recognized examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

*A grade of C- or better is required.

The student must complete a minimum of 12 semester hours of MATH courses in residence at Winthrop University. No more than three hours of Academic Internship in Mathematics (MATH 461 or 463) can count toward the major.

See pages 16-18 for additional degree requirements.

Bachelor of Science in Mathematics - Certification as Secondary School Teacher

The Bachelor of Science in mathematics program with certification is designed to provide a broad introduction to the study of mathematics and its sub-fields, to give students the opportunity to master advanced material in mathematics and allied disciplines, and to provide a path for certification for mathematics teaching in grades 9 through 12. This program requires additional mathematics courses beyond those required for the Bachelor of Arts in mathematics with certification program and thus offers students the ability to explore advanced topics and mathematics more extensively. This program allows students to pursue individualized independent study and undergraduate research with faculty members. This program equips students to teach the variety of mathematics courses offered at the high school level and to communicate the connections between various mathematical ideas in a manner appropriate for high school students. Graduates of this program are sought-after candidates for teaching positions across South Carolina and beyond, and often pursue further education at graduate schools in mathematics, education, and allied disciplines.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	Met in Education Sequence with EDUC 400	0
Technology	Met in major with CSCI 151	0
Intensive Writing	Met in Education Sequence with MAED 548	0
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines		
Global Perspectives	See approved list, p. 16	3
Historical Perspectives	See approved list, p. 16	3
Introducing Students to Broad Disciplinary Perspectives		
Social Science	See approved list, p. 16; must include 2 designators 3 hours met in Education Sequence with EDUC 200	3
Humanities and Arts	See approved list, p. 16; must include 2 designators	6
Quantitative Skills and Natural Science (3 courses)		
Quantitative Skills	Met in major with MATH 201 & 202	0
Natural Science	See approved list, p. 16; Must include a lab science.	3-4
Subtotal		29-33
Requirements in Major		
MATH 201*, 202*, & 301	Calculus I, II, & III	12
MATH 300	Linear Algebra	3
MATH 310	Mathematical Reasoning	3
MATH 311	Real Analysis	3
MATH 341	Statistical Methods	3
MATH 351	Introduction to Modern Algebra	3
MATH 370	Mathematical Modeling	3
MATH 520*	Foundations of Geometry	3
MATH electives above 300 (excluding MATH 393 and 546)		12
MATH courses above 500 (excluding MATH 546)		3
MAED 200, 400	Intro to Mathematica, Assess Capstone	1
CSCI 151, 207, 208	Overview of Comp Sci, Intro to Comp Sci I& II	11
Professional Education Sequence		
EDUC 101	Developing Observation and Analysis Skills	1
EDUC 200	Developmental Sciences and the Context of Poverty	3
EDUC 220	Assessment to Meet Diverse Needs	2
EDUC 401	Internship: Contextual Factors	1
EDUC 402	Internship: Assessment and Instruction	9

EDUC 410	Education in a Democracy	2
EDCO 201	Supporting the Engl as Sec Lang student in Gen Ed Classrm	2
EDCO 202	Supporting Exceptional & Gifted Lrnrs in Gen Ed Classroom	2
EDCO 305	Technology in the Inclusive Classroom	2
EDCO 350	Acad & Social Strat for Estab Inclusive Classrm Climate	3
MAED 591, 393, 548	Prin of Teaching Math, Semin in Math Ed, Sec Math Curr	7
READ 331, 346	Foundation of Literacy, Content Area Read/Writ	6
Foreign Language Requirement		3-8^f
Total		132-141

^fThis requirement may be met by a satisfactory score on a recognized examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

* A grade of C or better is required in all EDUC, EDCO, and READ courses and may not be taken on the S/U basis with the exception of EDUC 401 & 402 and MAED 393 & 548. Note that field hours will be required for MAED 591, EDUC 200, 400, 403, 410, EDCO 201, 202, and 305. EDUC 400 and 403 follow the K-12 public school calendar.

* A grade of C- or better is required.

All Mathematics Education majors must have a C- or better in MATH 201, 202, 300, and 520 prior to taking EDUC 401. In addition to the requirements for their major, students must meet requirements for the Teacher Education Program, which include the requirements for Admission to Teacher Education, Entry to the Professional Stage, and Program Completion. For information on these requirements, consult the Office of Student Academic Services in the Richard W. Riley College of Education. Passage of the PRAXIS II Series content area examinations is required prior to entry into the professional stage for all candidates in the teacher education program. For the most current PRAXIS information required for test(s) in your content area, visit the South Carolina Department of Education website: <http://ed.sc.gov/educators/certification/>

The student must attain a cumulative grade-point average of 2.75 or better in courses taken at Winthrop and a GPA of 2.0 or better in the 60 hours of the required program. The student must complete a minimum of 12 semester hours in the major in residence at Winthrop University.

See pages 16-18 for additional degree requirements.

PHILOSOPHY AND RELIGIOUS STUDIES

Faculty

Professors

Peter J. Judge, *Chair*
Kristin Beise Kiblinger

Associate Professors

William P. Kiblinger
David Meeler
M. Gregory Oakes

Professors Emeriti

Houston Craighead
William W. Daniel

Bachelor of Arts in Philosophy and Religion

The study of Philosophy and Religion develops the skills of critical analysis at the most fundamental levels of human understanding. Students trained in philosophy and religion have pursued careers in teaching, ministry, law, medicine, management, publishing, sales, criminal justice and other fields. Students may concentrate in either subject depending on career goals. Those planning graduate study in philosophy or religious studies would select the appropriate concentration.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	See approved list, p. 16; may be met by other req	0-3
Technology	See approved list, p. 16	3
Intensive Writing	Met in major with PHIL/RELG 495	0
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines*		
Global Perspectives	See approved list, p. 16	0-3
Historical Perspectives	See approved list, p. 16	0-3
Introducing Students to Broad Disciplinary Perspectives*		
Social Science	See approved list, p. 16; must include 2 designators	0-6
Humanities and Arts	See approved list, p. 16; must include 2 designators	0-6

Quantitative Skills and Natural Science* (3 courses)		9-12
Quantitative Skills	See approved list, p. 16	(3-8)
Natural Science	See approved list, p. 16 [Must include a lab science. If 2 courses taken, must be in 2 different groups: <i>Life, Physical, Earth</i>].	(3-8)
<i>*No more than two courses in the major may count toward requirements in these areas</i>		
Subtotal		35-47
Requirements in Major		12
RELG 101 or PHIL 101	Intro to Religious Studies, Intro to Philosophy	3
PHIL 220 or 225 or 371	Logic & Language, Symbolic Logic, LSAT Logic	3
PHIL or RELG 390	Philosophy of Religion	3
PHIL 495 or RELG 495	Meth & Research in Philosophy/Religion	3
Select from one of three tracks:		
A. Philosophy Track		18
PHIL courses above 299		12
PHIL or RELG electives		6
B. Religious Studies Track		18
RELG courses above 299		12
RELG or PHIL electives		6
C. Combined Track		18
PHIL or RELG electives above 299		12
PHIL or RELG electives		6
Foreign Language		3-8†
Minor		15-24
General Electives		14-37
Total		120

†This requirement may be met by a satisfactory score on a recognized examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

The student must complete a minimum of 12 semester hours of PHIL and/or RELG courses in residence at Winthrop University.

Not more than 36 semester hours in any one subject designator may be applied toward the major for a Bachelor of Arts degree. See page 14 for more information.

See pages 16-18 for additional degree requirements.

POLITICAL SCIENCE**Faculty****Professors**

Adolphus G. Belk, Jr.
 Jennifer Leigh Disney, *Chair*
 Scott Huffmon
 Karen M. Kedrowski
 Michael Lipscomb
 Christopher Van Aller

Assistant Professor

Hye-Sung Kim

Professor Emeritus

Timothy Boylan
 Stephen S. Smith
 Melford A. Wilson, Jr.

Adjuncts

John Holder
 Katarina Moyon
 Meredith -Joy Petersheim

Bachelor of Arts in Political Science

The study of political science provides students with an understanding of politics, law, international relations, government and public administration. Recent graduates have gone to work for local, state, national and international organizations. A large percentage of our graduates go to graduate or law school.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	May be met in major with PLSC 260	0-3
Technology	See approved list, p. 16	3
Intensive Writing	Met in major with PLSC 490	0
Constitution Requirement	Met in major with PLSC 201 or 356	0
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines*		
Global Perspectives	See approved list, p. 16	0-3
Historical Perspectives	See approved list, p. 16	3
Introducing Students to Broad Disciplinary Perspectives*		
Social Science	See approved list, p. 16; must include 2 designators	3-6
Humanities and Arts	See approved list, p. 16; must include 2 designators	3-6
Quantitative Skills and Natural Science* (3 courses)		
Quantitative Skills	See approved list, p. 16	(3-8)
Natural Science	See approved list, p. 16; [Must include a lab science. If 2 courses taken, must be in 2 different groups: <i>Life, Physical, Earth</i>].	(3-8)
*No more than two courses in the major may count toward requirements in these areas		
Subtotal		35-44
Required Program		
		30
PLSC 201 (C- or better required)	American Government	3
PLSC 350	Scope and Methods	3
PLSC 490	Sr Capstone	3
American Government		
Select from PLSC 202, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 371, or 518		3
Comparative Government and International Relations		
Select from PLSC 205, 207, 260, 332, 335, 336, 337, 338, 345, 505, or 506		3
Political Theory		
Select from PLSC 351, 352, 355, 356, 551 or 553		3
Public Administration		
Select from PLSC 317, 319, 321, 323, 324, 325, 504, 508, 512, or 515		3
Experiential Learning Requirement		
Select from PLSC 260, 307, 337, 470, 471, 472, 473, 500, 501, 502, 503 or 514 (Course may also be used to meet another degree requirement.)		0-3
PLSC electives (to total a minimum of 30 hours in PLSC)		6-9
Foreign Language Requirement		3-8†
Minor		15-24
General Electives		14-37
Total		120

Note: Students are limited to a total of nine hours in the major in PLSC 450H, 471, 472, 473, 498, 501, 502, and 503 combined. Students may earn a total of 3 hours of internship credit (471, 472, 473).

†This requirement may be met by a satisfactory score on a recognized examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

Not more than 36 semester hours in any one subject designator may be applied toward the major for a Bachelor of Arts degree. See page 14 for more information.

The student must complete a minimum of 12 semester hours of PLSC courses in residence at Winthrop University.

See pages 16-18 for additional degree requirements.

PRE-PROFESSIONAL PROGRAMS

Winthrop offers programs which prepare students for professional study in a variety of fields. Some of these are degree programs preliminary to advanced study in such disciplines as engineering, medicine, nursing, dentistry and law. A Winthrop faculty adviser will help students plan their studies to meet the requirements of several professional schools.

Pre-Dental

Advisers: Dr. Carlton Bessinger, Dr. Aaron Hartel, Dr. Kathryn Kohl, Dr. Julian Smith, and Dr. Takita F. Sumter

A student who wishes to prepare for application to schools of dentistry or veterinary medicine should acquire a broad foundation in the natural sciences, mathematics, humanities and the social sciences. The specific requirements for admission to the College of Dental Medicine at the Medical University of South Carolina are 8 semester hours of each of the following: general chemistry, organic chemistry, physics, biology, and science electives. In addition, 6 semester hours of English composition and mathematics are required. Other dental schools have similar requirements. Students interested in dental medicine should seek advice about which science electives would be best. The Dental Admission Test (DAT) must be taken no later than the fall of the senior year. A B+ average in science courses and an acceptable score on the DAT are essential for dental school admission.

Pre-Engineering Program

Adviser: Dr. Ponn Maheswaranatha

The Pre-Engineering program provides students with the opportunity to complete an engineering degree at another university in four or five years by transferring from Winthrop after completing the necessary mathematics and science courses as well as basic courses in English, social sciences and humanities. Engineering programs require students to complete fundamental courses in calculus, differential equations, chemistry, physics, computer science, and engineering science during their first several years of college. Students who begin their college career at Winthrop have the advantage of completing these basic courses in smaller classes where they get individual faculty attention and access to modern instrumentation.

After two or more years of study at Winthrop, Pre-Engineering students have two options available to further their engineering education:

1. Engineering School option: After two to three years at Winthrop, students selecting this option transfer directly into a specific program at an engineering school such as Clemson University, the University of South Carolina, Virginia Tech, Georgia Tech, North Carolina State, or the University of Florida to complete an engineering degree in their field of interest within another two to three years.

2. Winthrop Science/Mathematics Degree option: After two years at Winthrop, Pre-Engineering students selecting this option decide to complete a Bachelor of Science (e.g. mathematics, chemistry, computer science, environmental science) at Winthrop within another two years and then to matriculate directly into a graduate engineering or science program at an engineering school or research university.

Pre-Law

Adviser: Dr. Adolphus Belk, Jr.

The Association of American Law Schools and the Law School Admission Council do not prescribe a specific major or series of courses as preparation for law school. Although most pre-law students major in the social sciences or humanities, almost any discipline is suitable. More important than the major is the acquisition of thorough intellectual training, including a broad understanding of human institutions as well as analytical and communications skills.

Early in their undergraduate careers, students considering law school should meet with the pre-law adviser in the Political Science Department for assistance in planning a suitable course of pre-law study compatible with the student's major subject. Additional information for students considering legal studies can be found in Preparing for Law School (<http://www.winthrop.edu/uploadedFiles/cas/politicalscience/Preparing%20for%20Law%20School%20-ABJR.pdf>).

Pre-Medical

Advisory Committee: Dr. Carlton Bessinger, Dr. Matthew Stern, Dr. Dwight Dimaculangan, Dr. Heather Evans-Ander-son, Dr. Laura Glasscock, Dr. Aaron Hartel, Dr. Takita F. Sumter, and Dr. Kristi Westover.

A student who wishes to prepare for application to medical school should acquire a broad foundation in the natural sciences, mathematics, humanities and the social sciences. Medical schools intentionally limit the absolute requirements for entry to encourage diversity among their applicants. Most medical schools require 6 semester hours each of English and Mathematics, and 8 semester hours each of biology, physics, general chemistry, and organic chemistry. Beyond these requirements, pre-medical students may select any major program they may wish to pursue. The most important requirements for admission to a medical school are at least a B+ average on all science courses taken and a good score on the Medical College Admission Test (MCAT), which is normally taken in the spring before the senior year.

Pre-Pharmacy

Advisers: Dr. Eric Birgbauer, Dr. Carlton Bessinger, Dr. Aaron Hartel, Dr. Julian Smith, and Dr. Takita F. Sumter

A student who wishes to prepare for application for Pharmacy school should acquire a solid foundation in the chemical and biological sciences. The specific requirements for admission to the Pharm.D. program at the University of South Carolina College of Pharmacy include 8 hours of general chemistry, 8 hours of organic chemistry, 6 hours of physics, 3 hours of calculus, 3 hours of statistics, 8 hours of biology, 6 hours of anatomy and physiology, 9 hours of liberal arts electives, 6 hours of English composition and literature and 3 hours of economics, psychology and verbal skills. The most important requirement is that students maintain a B+ average on all science courses.

Pre-Physical Therapy

Advisers: Dr. Matthew Heard and Dr. William Rogers

A student who wishes to prepare for admission to either of the two physical therapy programs in South Carolina (USC or MUSC) must complete a 4-year baccalaureate degree. Regardless of the major, the student must complete course work in statistics, chemistry, physics, biology, anatomy, physiology, and psychology. A minimum grade point average of 3.0 is required. The student must present acceptable scores on all three components (verbal reasoning, quantitative reasoning and writing) of the Graduate Record Examination (GRE). In addition to acceptable grades and GRE scores, the student must have some experience with the practice of physical therapy. This is best accomplished through an internship course or other volunteer work. Winthrop also has an agreement with the physical therapy program at Methodist University in Fayetteville, NC that provides five guaranteed interviewed slots and two admission slots for Winthrop University students. Contact the Biology Department for application guidelines.

Pre-Veterinary

Advisers: Dr. Meir Barak, Dr. Aaron Hartel, Dr. Julian Smith, and Dr. Takita F. Sumter

A student who wishes to prepare for application to schools of veterinary medicine should acquire a broad foundation in the natural sciences, mathematics, humanities, and social sciences. The requirements for entry into schools of veterinary medicine are more variable than those for schools of medicine and dentistry. A student pursuing a career in veterinary medicine should major in biology or chemistry and consult the pre-veterinary adviser.

Other Pre-Professional Health Studies

Adviser: Dr. Dwight Dimaculangan and Dr. Julian Smith

Students may prepare themselves for application to programs in other health-related professions, such as nursing, occupational therapy, optometry and podiatry. Persons interested in these fields should consult the adviser for specific details.

PSYCHOLOGY**Faculty****Professors**

Gary L. Alderman
 Donna Nelson
 Joseph S. Prus, *Chair*
 Merry Sleigh

Associate Professors

Matthew Hayes
 Cheryl Fortner-Wood
 Kathy A. Lyon
 Antigo D. Martin-Delaney
 Melissa Reeves
 Darren Ritzer
 Jeff Sinn

Assistant Professors

Tara Collins
 Sarah Reiland

Instructors

Eurnestine Brown
 Mary McKemy

Bachelor of Arts in Psychology

Psychology is the scientific study of behavior and mental processes. Psychology majors at Winthrop acquire a broad range of knowledge and skills consistent with both the University's general education goals and the American Psychological Association's *Undergraduate Psychology Learning Goals*. Recent psychology graduates have obtained employment in a wide variety of fields such as health and human services, social services, business, and education, and/or pursued advanced preparation in various specialties of psychology as well as in medicine, law, business, education, and other fields.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	See approved list, p. 16; may be met by other req	0-3
Technology	See approved list, p. 16	3
Intensive Writing	Met in major with PSYC 302	0
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines*		
Global Perspectives	See approved list, p. 16	3
Historical Perspectives	See approved list, p. 16	3
Introducing Students to Broad Disciplinary Perspectives*		
Social Science	See approved list, p. 16; must include 2 designators 3 hours met in major with PSYC 101	3
Humanities and Arts	See approved list, p. 16; must include 2 designators	6
Quantitative Skills and Natural Science* (3 courses)		9-12
Quantitative Skills	See approved list, p. 16	(3-8)
Natural Science	See approved list, p. 16 [Must include a lab science. If 2 courses taken, must be in 2 different groups: <i>Life, Physical, Earth</i>].	(3-8)
*No more than two courses in the major may count toward requirements in these areas		
Subtotal		38-47
Requirements in Major		36
Foundations --PSYC 101**, 104, 198	Gen Psych, Entry to Psyc Major, Psyc as Discipline & Profes	4
Experimental Sequence --PSYC 301**, 302**	Statistics & Research Methods	8
PSYC 303	Ethics in Psychological Research	0
SR Capstone Exper --PSYC 400, 463 or 498	Hist & Sys of PSYC, Internship, SR Seminar	3
PSYC 404	Exit from the Psych Major	0
Core Courses --Choose 3 of: PSYC 206, 213, 305, 335, 408, 409		9
PSYC Electives (courses numbered above 299)		12
Foreign Language Requirement		3-8†
Minor		15-24
General Electives		5-28
Total		120

**Must attain a grade of C- or higher.

†This requirement may be met by a satisfactory score on a recognized proficiency examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

Students are strongly encouraged to complete PSYC 104 during their first semester as psychology majors.

Not more than 42 semester hours in PSYC may be applied toward the Bachelor of Arts degree. See page 14 for more information.

Major Specific Notes:

- The student must complete a minimum of 12 semester hours of PSYC courses in residence at Winthrop University. No more than three hours of Field Experience or Academic Internship (PSYC 340 or 463) can count toward the major. A student may receive up to 3 semester hours for PSC 471 and/or 472 toward the major, and up to 6 semesters hours of PSYC 471 and/or 472 toward the BA.
- Students are strongly encouraged to take PSYC 104 during their first semester as psychology majors. PSYC 198 may be waived at the discretion of the Chair and Dean's Office for students transferring with a considerable amount of Psychology credit or those who enter the major as Juniors or Seniors.
- Students **changing their majors from Biology to Psychology** who have completed BIOL 300 with a grade of C- or better, are not required to complete PSYC 302 & 303. **Dual majors** in Psychology and Biology should complete only one of the two required experimental courses (PSYC 302 & 303 or BIOL 300).
- Students changing their majors from **Sociology to Psychology or Sociology majors with Psychology minors**, who have passed SOCL 316 with a grade of C- or better, are not required to complete PSYC 301. **Double majors** in Psychology and Sociology should complete only one of the two required statistics courses (PSYC 301 or SOCL 316). Consult your adviser for an appropriate course.

See pages 16-18 for additional degree requirements.

SOCIAL WORK**Faculty****Associate Professors**

Brent E. Cagle
Cynthia D. Forrest
Wendy Sellers

Assistant Professors

Kori R. Bloomquist
Monique A. Constance-Huggins
Duane R. Neff
Christopher Ward
Jessica Yang

Instructors

Jennifer C. McDaniel
Perry Owen
ZaDonna Slay

Bachelor of Social Work

Students completing requirements for the BSW will be prepared for beginning generalist social work practice in a wide range of organizations such as child welfare agencies, hospitals, nursing homes, prisons, schools, and treatment centers for people with disabilities. The program provides undergraduate education and internship experience for working with individuals, small groups (including the family), organizations, and communities. National accreditation by the Council on Social Work Education (CSWE) allows graduates to become full members of the National Association of Social Workers (NASW) and to be eligible to become licensed social workers in states requiring licensing for employment.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMPX 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	Met in major with SCWK 431	0
Technology	See approved list, p. 16; may be met by other req	0-3
Intensive Writing	Met in major with SCWK 330	0
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines*		
Global Perspectives	See approved list, p. 16	3
Historical Perspectives	See approved list, p. 16	3
Introducing Students to Broad Disciplinary Perspectives*		
Social Science	See approved list, p. 16; must include 2 designators 3 hours met in major with SCWK 200	3
Humanities and Arts	See approved list, p. 16; must include 2 designators	6
Quantitative Skills and Natural Science* (3 courses)		
Quantitative Skills	See approved list, p. 16	(3-8)
Natural Science	See approved list, p. 16 [Must include a lab science. If 2 courses taken, must be in 2 different groups: <i>Life, Physical, Earth</i>].	(3-8)
<i>*No more than two courses in the major may count toward requirements in these areas</i>		
Subtotal		35-44
Requirements in the Major (C- or better required for all SCWK courses)		
SCWK 200	Introduction to Social Work	3
SCWK 305	Human Behavior in the Social Environment	3
SCWK 306	Working with Multicultural Populations	3

SCWK 321	Social Welfare as a Social Institution	3
SCWK 330	Research Methods for Social Work	3
SCWK 430	Social Work Intervention I	3
SCWK 431	Interpersonal Helping Skills in Social Work Practice	3
SCWK 432	Social Work Intervention II	3
SCWK 433	Social Work Intervention III	3
SCWK 443	Social Work Field Instruction	12
SCWK 463	Social Work Field Seminar	3
SCWK electives		3
General Electives		31-40
Total		120

A student may apply for status as a social work major at any point. In applying for initial entry into the social work program and recognition as a social work major, the student agrees to abide by the NASW (National Association of Social Workers) Code of Ethics. From that point, continued recognition as a social work major requires that the student's behavior comports to the standards of ethical conduct as spelled out in the Code of Ethics.

Prior to starting the social work intervention sequence - SCWK 430, 431, 432, and 433 - students must formally apply for admittance to SCWK 430. In addition to completing all of the prerequisites for SCWK 430, students must also have earned at least an overall GPA of 2.20 and a 2.40 GPA in all social work courses.

After completing all general education requirements and social work major course requirements through SCWK 433, including passing Social Work courses with a grade of C- or better and maintaining an overall GPA of 2.20 and a GPA of 2.40 in social work courses, the student is eligible to apply to enroll in the two courses which make up the final semester of field education. For graduation the student must have maintained an overall GPA of 2.20, and a GPA of 2.40 in all social work courses.

The student must complete a minimum of 12 semester hours of SCWK courses in residence at Winthrop University. Although not specifically required, students are encouraged to take related courses in Psychology, Sociology, and Political Science.

See pages 16-18 for additional degree requirements.

SOCIOLOGY and ANTHROPOLOGY

Faculty

Professors

Jonathan I. Marx
Jennifer Solomon

Associate Professors

Richard Chacon
Bradley G. Tripp
Jeannie Haubert, *Chair*

Assistant Professor

Maria Aysa-Lastra
Kalfani Ture

Bachelor of Arts in Sociology

Recent graduates in sociology have secured positions in criminal justice, social work, city and urban planning, teaching, management, banking, sales, and marketing. Others have gone on to pursue advanced studies in sociology, social work, criminal justice, urban planning, law, and business administration.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	See approved list, p. 16; may be met by other req	0-3
Technology	See approved list, p. 16	3
Intensive Writing	Met in major with SOCL/ ANTH 302	0
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines*		
Global Perspectives	See approved list, p. 16; may be met in the major	0-3
Historical Perspectives	See approved list, p. 16	3
Introducing Students to Broad Disciplinary Perspectives*		
Social Science	See approved list, p. 16; must include 2 designators	0-3
Humanities and Arts	See approved list, p. 16; must include 2 designators	6
Quantitative Skills and Natural Science* (3 courses)		9-12
Quantitative Skills	See approved list, p. 16	(3-8)

Natural Science	See approved list, p. 16 [Must include a lab science. If 2 courses taken, must be in 2 different groups: <i>Life, Physical, Earth</i>].	(3-8)
<i>*No more than two courses in the major may count toward requirements in these areas</i>		
Subtotal		32-47
Requirements in Major		33
SOCL 101 or 201	Social Problems & Soc Policy, Princ of Sociology	3
SOCL 316+**,	Social Research I: Statistics	4
ANTH/SOCL 302+	Anthropological Theory/Social Theory	3
SOCL 516+	Social Research II: Methods	4
SOCL 598	Senior Seminar in Sociology	1
Additional hours of SOCL		12-18
Additional hours of ANTH***		0-6
Minor		15-24
Foreign Language Requirement		3-8†
General Electives		8-37
Total		120

†This requirement may be met by a satisfactory score on a recognized examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

*C or better required and may not be taken on the S/U basis.

**Students with double majors in psychology and sociology or sociology majors with a minor in psychology may substitute PSYC 301 (with a grade of C- or higher) for SOCL 316 provided they complete an additional course in sociology. Consult advisers for appropriate courses.

***ANTH hours counted towards the sociology major cannot also be counted towards the anthropology minor. However, students with a major in sociology and a minor in anthropology may utilize SOCL/ANTH 302 (required in major) for ANTH 302 (required in minor) provided they complete an additional course in anthropology towards the minor.

The student must complete a minimum of 12 semester hours of SOCL/ANTH courses in residence at Winthrop University. Although not specifically required, students are strongly encouraged to take related courses in ECON, HIST, MATH, PLSC and PSYC.

Sociology majors are required to enroll in SOCL 316 the first semester after admission to the major, and they may not enroll in more than one SOCL/ANTH course per semester (apart from SOCL 316 or SOCL/ANTH302) until they complete both SOCL 316 and SOCL/ANTH 302 with a grade of C or better. Sociology majors are limited to a total of three hours credit in ANTH 463-464, ANTH 340, SOCL 463-464 or SOCL 340 towards the sociology major.

Students with a major in sociology (excluding anthropology concentrations) are strongly discouraged from attempting a minor in Criminal Justice. It is unfeasible because of not enough distinct courses offered and university rules that regulate hours allowed in a single designator (SOCL).

Not more than 36 semester hours in any one subject designator may be applied toward the major for a Bachelor of Arts degree. See page 14 for more information.

See pages 16-18 for additional degree requirements.

Bachelor of Arts in Sociology - Concentration in Criminology

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	See approved list, p. 16; may be met by other req	0-3
Technology	See approved list, p. 16	3
Intensive Writing	Met in major with SOCL/ANTH 302	0
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines*		
Global Perspectives	See approved list, p. 16	0-3
Historical Perspectives	See approved list, p. 16	3
Introducing Students to Broad Disciplinary Perspectives*		
Social Science	See approved list, p. 16; must include 2 designators	0-6
Humanities and Arts	See approved list, p. 16; must include 2 designators	6
Quantitative Skills and Natural Science* (3 courses)		9-12
Quantitative Skills	See approved list, p. 16	(3-8)

COLLEGE OF ARTS & SCIENCES--SOCIOLOGY/ANTHROPOLOGY

Natural Science See approved list, p. 16 [Must include a lab science. If 2 (3-8)
 courses taken, must be in 2 different groups:
Life, Physical, Earth].

*No more than two courses in the major may count toward requirements in these areas

Subtotal **32-47**

Requirements in Major **33**

SOCL 101 or 201	Social Problems & Soc Policy, Princ of Sociology	3
SOCL 227	Intro to Criminal Justice	3
SOCL 316***	Social Research I: Statistics	4
ANTH/SOCL 302*	Anthropological Theory/Social Theory	3
SOCL 325	Criminology	3
SOCL 516*	Social Research II: Methods	4
SOCL 598	Senior Seminar	1
Six hours from: SOCL 330, 332, 335, 337, or 525		6
Additional hours of SOCL		3-6
Additional hours of ANTH (may not be used in an ANTH minor) (must have a total of 6 hours in SOCL or ANTH electives)		0-3

Minor **15-24**

Foreign Language **3-8†**

General Electives **11-40**

Total **120**

†This requirement may be met by a satisfactory score on a recognized examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

*C or better required and may not be taken on the S/U basis.

**Students with double majors in psychology and sociology or sociology majors with a minor in psychology may substitute PSYC 301 (with a grade of C- or higher) for SOCL 316 provided they complete an additional course in sociology. Consult advisers for appropriate courses.

Not more than 36 semester hours in any one subject designator may be applied toward the major for a Bachelor of Arts degree. See page 14 for more information.

The student must complete a minimum of 12 semester hours of SOCL/ ANTH courses in residence at Winthrop University. Although not specifically required, students are strongly encouraged to take related courses in ECON, HIST, MATH, PLSC and PSYC.

Sociology majors are required to enroll in SOCL 316 the first semester after admission to the major, and they may not enroll in more than one SOCL/ ANTH course per semester (apart from SOCL 316 or SOCL/ ANTH302) until they complete both SOCL 316 and SOCL/ ANTH 302 with a grade of C or better. Sociology majors are limited to a total of three hours credit in ANTH 463-464, ANTH 340, SOCL 463-464 or SOCL 340 towards the sociology major.

See pages 16-18 for additional degree requirements.

Bachelor of Arts in Sociology - Concentration in Anthropology

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	See approved list, p. 16; may be met by other req	0-3
Technology	See approved list, p. 16	3
Intensive Writing	Met in major with ANTH/SOCL 302	0
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines*		
Global Perspectives	See approved list, p. 16	0-3
Historical Perspectives	See approved list, p. 16	3
Introducing Students to Broad Disciplinary Perspectives*		
Social Science	See approved list, p. 16; must include 2 designators	0-6
Humanities and Arts	See approved list, p. 16; must include 2 designators	6
Quantitative Skills and Natural Science* (3 courses)		3-12
Quantitative Skills	See approved list, p. 16	(3-8)
Natural Science	See approved list, p. 16 [Must include a lab science. If 2 courses taken, must be in 2 different groups: <i>Life, Physical, Earth</i>].	(0-8)

*No more than two courses in the major may count toward requirements in these areas

Subtotal **32-44**

Requirements in Major		33
SOCL 101 or 201	Social Problems & Social Policy, Principles of Sociology	3
ANTH 201	Intro to Cultural Anthropology	3
ANTH 202 or 220 or 315	Intro to Biol Anth, Intro to Archaeology, Forensic Anth	3-4
ANTH/SOCL 302 [†]	Anthropological Theory/Social Theory	3
SOCL 316 ^{***}	Social Research I: Statistics	4
ANTH 341 or 345	Field Work in Cult Anth, Field Work in Archaeology	3
SOCL 516 ⁺ & 598	Social Research II: Methods, Senior Seminar	5
ANTH electives		3-6
SOCL electives		3-6
Minor		15-24
Foreign Language		3-8[†]
General Electives		11-34
Total		120

[†]This requirement may be met by a satisfactory score on a recognized examination (such as CLEP) or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

^{*}C or better required and may not be taken on the S/U basis.

^{**}Students with double majors in psychology and sociology or sociology majors with a minor in psychology may substitute PSYC 301 (with a grade of C- or higher) for SOCL 316 provided they complete an additional course in sociology. Consult advisers for appropriate courses

Not more than 36 semester hours in any one subject designator may be applied toward the major for a Bachelor of Arts degree. See page 14 for more information.

The student must complete a minimum of 12 semester hours of SOCL/ANTH courses in residence at Winthrop University. Although not specifically required, students are strongly encouraged to take related courses in ECON, HIST, MATH, PLSC and PSYC.

Sociology majors are required to enroll in SOCL 316 the first semester after admission to the major, and they may not enroll in more than one SOCL/ANTH course per semester (apart from SOCL 316 or SOCL/ANTH 302) until they complete both SOCL 316 and SOCL/ANTH 302 with a grade of C or better. Sociology majors are limited to a total of three hours credit in ANTH 463-464, ANTH 340, SOCL 463-464 or SOCL 340 towards the sociology major.

Students with a Concentration in Anthropology may not minor in Anthropology.

See pages 16-18 for additional degree requirements.

WORLD LANGUAGES AND CULTURES

Faculty

Professors

Donald Flanell Friedman
Scott Shinabargar, *Chair*

Assistant Professor

Adam Glover
Anna Igou

Instructor

Victoria Uricoechea

Adjuncts

Natacha Carrillo
Darlene Hegel
Laure Mauffray
Concetta Morris
Janet Niven
Charlene G. Rodriguez
Jialin Shen

Bachelor of Arts in Modern Languages

The Department of World Languages and Cultures offers a Bachelor of Arts in Modern Languages with two specializations, Spanish and French. Students majoring in foreign language have gone on to graduate school in advanced language study, law or international business, have entered the teaching profession, or have obtained positions requiring bilingual capacities in business and industry.

The beginning courses (101-102), or the equivalent, are prerequisites for all other courses; however, only 102 is applied to the major, and neither course may be applied toward the minor.

Students may obtain credit for French, German, or Spanish 101, 102, 201 and/or 202 upon completion of the appropriate course with a grade of B or higher. Credit will not be given for courses for which university credit has been awarded previously. No grade is assigned to this credit. A grade is received only for the course taken at Winthrop. The course credits that can be earned are summarized on page 11. For further information, contact the Chair of the Department of World Languages and Cultures.

American Council on the Teaching of Foreign Languages (ACTFL) Oral Proficiency Interview Requirement

The ACTFL Oral Proficiency Interview is administered as one of the components of French 499 or Spanish 499. All students pursuing a B.A. degree with certification to teach in grades K-12 are expected to score at a level of advanced-low on the ACTFL Oral Proficiency Interview.

All students pursuing a B.A. degree in French or Spanish without teacher certification are expected to score at a level of intermediate-high on the ACTFL Oral Proficiency Interview. This course should be taken during the senior year. For students in the teacher education program, the course must be completed before the internship begins.

Bachelor of Arts in Modern Languages – French

		Semester Hours
General Education Courses		
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	See approved list, p. 16; may be met by other req	0-3
Technology	See approved list, p. 16; may be met by other req	0-3
Intensive Writing	See approved list, p. 16; may be met in the major	0-3
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines*		
Global Perspectives	See approved list, p. 16; could be met in major	0-3
Historical Perspectives	See approved list, p. 16; could be met in major	0-3
Introducing Students to Broad Disciplinary Perspectives*		
Social Science	See approved list, p. 16; must include 2 designators	6
Humanities and Arts	See approved list, p. 16; must include 2 designators Could be partially met in major	3-6
Quantitative Skills and Natural Science* (3 courses)		9-12
Quantitative Skills	See approved list, p. 16	(3-8)
Natural Science	See approved list, p. 16 [Must include a lab science. If 2 courses taken, must be in 2 different groups: <i>Life, Physical, Earth</i>].	(3-8)
<i>*No more than two courses in the major may count toward requirements in these areas</i>		
Subtotal		32-53
Requirements in Major		34
FREN 102	Elementary French II	4
FREN 201, 202, 250	Intermediate French I, II, Intermed Comp & Conversation	9
FREN 301, 302, or 385	French Civilization & Culture I, II, Topics in French	3
FREN 310	Advanced Grammar, Composition I	3
Select from FREN 306, 313, 351, 380, 405, 410		3
FREN 401, 402, or 395	Survey of Francophone Lit, Survey of French Lit, Topics in FR	3
FREN 499	Proficiency Exam	0
FREN electives above 202 (may include MLAN 330A or 530A)		9
Minor		15-24
General Electives		9-39
Total		120

Not more than 36 semester hours in any one subject designator may be applied toward the major for a Bachelor of Arts degree. See page 14 for more information.

See pages 16-18 for additional degree requirements.

Bachelor of Arts in Modern Languages – Spanish

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMPX 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	See approved list, p. 16; may be met by other req	0-3
Technology	See approved list, p. 16	0-3
Intensive Writing	See approved list, p. 16; may be met in the major	0-3
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines*		
Global Perspectives	See approved list, p. 16; could be met in major	0-3
Historical Perspectives	See approved list, p. 16; could be met in major	0-3
Introducing Students to Broad Disciplinary Perspectives*		
Social Science	See approved list, p. 16; must include 2 designators	6
Humanities and Arts	See approved list, p. 16; must include 2 designators Could be partially met in major	3-6
Quantitative Skills and Natural Science* (3 courses)		9-12
Quantitative Skills	See approved list, p. 16	(3-8)
Natural Science	See approved list, p. 16 [Must include a lab science. If 2 courses taken, must be in 2 different groups: <i>Life, Physical, Earth</i>].	(3-8)
<i>*No more than two courses in the major may count toward requirements in these areas</i>		
Subtotal		32-53
Requirements in Major		34
SPAN 102	Elementary Spanish II	4
SPAN 201, 202, 250	Intermediate Spanish I, II, Intermed Comp & Conversation	9
Select one from SPAN 385, 421, 422	Spanish/Hispanic Civ & Culture	3
SPAN 310	Advanced Grammar & Comp I	3
Select from SPAN 306, 313, 351, 380, 405, 410		3
One course from SPAN 395, 401, or 402	Topics in Sp Lit, Surv of Hispanic Lit, Surv of Span Pen Lit	3
SPAN 499	Proficiency Exam	0
SPAN electives above 202 (may include MLAN 330A or 530A)		9
Minor		15-24
General Electives (15 sem hours of study abroad in a Spanish-speaking country recommended)		9-39
Total		120

Not more than 36 semester hours in any one subject designator may be applied toward the major for a Bachelor of Arts degree. See page 14 for more information.

A proficiency exam on the basic skills may be administered to all majors, minors and any interested students after completion of SPAN 250. The exam is diagnostic, and remedial work, if needed, will be recommended.

Students are required to enroll in SPAN 499. Remedial work, if needed, will be recommended. A grade of S is required for graduation.

The student must complete a minimum of 12 semester hours in the major in residence at Winthrop University. No more than three hours of Practicum Experience can count toward the major.

See pages 16-18 for additional degree requirements.

**Bachelor of Arts in Modern Languages Certification as School Teacher (K-12)
French Emphasis**

Students desiring certification as teachers of French should consult with the department's teacher certification advisor and the College of Education section of the catalog for specific requirements for admission to the Teacher Education Program.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	Met in major with MLAN 391	0
Technology	Met in Education Sequence with EDCO 305	0
Intensive Writing	See approved list, p. 16; may be met in the major	0-3
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines*		
Global Perspectives	See approved list, p. 16; could be met in major	0-3
Historical Perspectives	See approved list, p. 16; could be met in major	3
Introducing Students to Broad Disciplinary Perspectives*		
Social Science	See approved list, p. 16; must include 2 designators 3 hours met in Education Sequence with EDUC 200	3
Humanities and Arts	See approved list, p. 16; must include 2 designators Could be partially met in major	3-6
Quantitative Skills and Natural Science* (3 courses)		9-12
Quantitative Skills	See approved list, p. 16	(3-8)
Natural Science	See approved list, p. 16 [Must include a lab science. If 2 courses taken, must be in 2 different groups: <i>Life, Physical, Earth</i>].	(3-8)
<i>*No more than two courses in the major may count toward requirements in these areas</i>		
Subtotal		29-44
Requirement in Major		34
FREN 102, 201, 202, 250	Elem French II Intermed French I, II, Intermed Comp & Conv	13
FREN 301, 302, or 385	French Civilization & Culture I, II, Topics in French	3
FREN 310	Advanced Grammar, Composition I	3
One course from FREN 306, 313, 351, 380, 405, and 410		3
FREN 401, 402, or 395	Surv of Francophone Lit, Surv of French Lit, Topics in Fr Lit	3
FREN 499	Proficiency Exam	0
Select courses from FREN above 202; may include MLAN 330A or 530A		9
Professional Education Sequence		35***
EDUC 101	Developing Observation and Analysis Skills	1
EDUC 200	Developmental Sciences and the Context of Poverty	3
EDUC 220	Assessment to Meet Diverse Needs	2
EDUC 401	Internship: Contextual Factors	1
EDUC 402	Internship: Assessment and Instruction	9
EDUC 410	Education in a Democracy	2
EDCO 201	Supporting the Engl as Sec Lang student in Gen Ed Classrm	2
EDCO 202	Supporting Exceptional & Gifted Lrnrs in Gen Ed Classroom	2
EDCO 305	Technology in the Inclusive Classroom	2
EDCO 350	Acad & Social Strat for Estab Inclusive Classrm Climate	3
MLAN 390, 391, 393	Practicum, Principles in Teaching, Seminar in Mod Lang Ed	5
READ 346	Content Area Read/Writ	3***
General Electives		7-22
Total		120

***A grade of C or better is required in all READ, EDUC and EDCO core courses. No core course can be taken for S/U credit with the exception of EDUC 401 & 402. Note that field hours will be required for EDUC 200, EDCO 201, 202, 305, EDUC 401, 402, and 410. EDUC 401 and 402 follow the K-12 public school calendar. More information on all these requirements is included in the course descriptions posted through the Schedule of Courses on the Office of Records and Registration website.

In addition to the requirements for their major, students must meet requirements for the Teacher Education Program, which include the requirements for Admission to Teacher Education, Entry to the Professional Stage, and Program Completion. For information on these requirements, consult the Student Academic Services in the Richard W. Riley College of Education.

Passage of the PRAXIS II Series content area examinations is required prior to entry into the professional stage for all candidates in the teacher education program. For the most current PRAXIS information required for test(s) in your content area, visit the South Carolina Department of Education website: <http://ed.sc.gov/educators/certification/>.

Students seeking teacher certification should begin to plan early their course of study with the teacher education faculty and the department chair. Special attention should be given to completing courses in the proper sequence and to the semester(s) when required courses are offered.

American Council on the Teaching of Foreign Languages (ACTFL) Oral Proficiency Interview Requirement

All students pursuing a B.A. degree with certification to teach in grades K-12 will be expected to score at a level of advanced-low on the ACTFL Oral Proficiency Interview. This test will be given while the student is enrolled in French 499 and must be completed before the internship begins.

The student must attain a cumulative grade-point average of 2.75 or better in courses taken at Winthrop and a GPA of 2.0 or better in the 35 hours of the required program. The student must complete a minimum of 12 semester hours in the major in residence at Winthrop University. No more than three hours of Practicum Experience can count toward the major.

Not more than 36 semester hours in any one subject designator may be applied toward the major for a Bachelor of Arts degree. See page 14 for more information.

See pages 16-18 for additional degree requirements.

Bachelor of Arts in Modern Languages Certification as School Teacher (K-12) Spanish Emphasis

Students desiring certification as teachers of Spanish should consult with the department's teacher certification advisor and the College of Education section of the catalog for specific requirements for admission to the Teacher Education Program.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Shared Skills and Proficiencies		
Writing and Critical Thinking		
WRIT 101, HMXP 102, CRTW 201	Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing	9
Oral Communication	Met in major with MLAN 391	0
Technology	Met in Education Sequence with EDCO 305	0
Intensive Writing	See approved list, p. 16; may be met in the major	0-3
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Physical Activity	See approved list, p. 16	1
Thinking Critically Across Disciplines		
Global Perspectives	See approved list, p. 16; could be met in major	0-3
Historical Perspectives	See approved list, p. 16; could be met in major	0-3
Introducing Students to Broad Disciplinary Perspectives*		
Social Science	See approved list, p. 16; must include 2 designators 3 hours met in Education Sequence with EDUC 200	3
Humanities and Arts	See approved list, p. 16; must include 2 designators Could be partially met in major	3-6
Quantitative Skills and Natural Science* (3 courses)		
Quantitative Skills	See approved list, p. 16	(3-8)
Natural Science	See approved list, p. 16 [Must include a lab science. If 2 courses taken, must be in 2 different groups: <i>Life, Physical, Earth</i>].	(3-8)
<i>*No more than two courses in the major may count toward requirements in these areas</i>		
Subtotal		29-44
Requirement in Major		
SPAN 102, 201, 202, 250	Elem Span II, Intermed Spanish I, II, Intermed Comp & Conv	13
SPAN 385, 421, or 422	Spanish/Hispanic Civ & Culture	3
SPAN 310	Advanced Grammar & Comp I	3
One course from SPAN 306, 313, 351, 380, 405, 410		3
SPAN 395, 401 or 402	Topics in Sp Lit, Surv of Hispanic Lit, Surv of Span Pen Lit	3
SPAN 499	Proficiency Exam	0
Select courses from SPAN above 202; may include MLAN 330A or 530A		9
Professional Education Sequence		
EDUC 101	Developing Observation and Analysis Skills	1

COLLEGE OF ARTS & SCIENCES--SPANISH CERTIFICATION

EDUC 200	Developmental Sciences and the Context of Poverty	3
EDUC 220	Assessment to Meet Diverse Needs	2
EDUC 401	Internship: Contextual Factors	1
EDUC 402	Internship: Assessment and Instruction	9
EDUC 410	Education in a Democracy	2
EDCO 201	Supporting the Engl as Sec Lang student in Gen Ed Classrm	2
EDCO 202	Supporting Exceptional & Gifted Lrnrs in Gen Ed Classroom	2
EDCO 305	Technology in the Inclusive Classroom	2
EDCO 350	Acad & Social Strat for Estab Inclusive Classrm Climate	3
MLAN 390, 391, 393	Practicum, Principles in Teaching, Seminar in Mod Lang Ed	5
READ 346	Content Area Read/Writ	3
General Electives		7-22
Total		120

***A grade of C or better is required in all READ, EDUC and EDCO core courses. No core course can be taken for S/U credit with the exception of EDUC 401 & 402. Note that field hours will be required for EDUC 200, EDCO 201, 202, 305, EDUC 401, 402, and 410. EDUC 401 and 402 follow the K-12 public school calendar. More information on all these requirements is included in the course descriptions posted through the Schedule of Courses on the Office of Records and Registration website.

In addition to the requirements for their major, students must meet requirements for the Teacher Education Program, which include the requirements for Admission to Teacher Education, Entry to the Professional Stage, and Program Completion. For information on these requirements, consult the Student Academic Services in the Richard W. Riley College of Education.

Passage of the PRAXIS II Series content area examinations is required prior to entry into the professional stage for all candidates in the teacher education program. For the most current PRAXIS information required for test(s) in your content area, visit the South Carolina Department of Education website: <http://ed.sc.gov/educators/certification/>.

Students seeking teacher certification should begin to plan early their course of study with the teacher education faculty and the department chair. Special attention should be given to completing courses in the proper sequence and to the semester(s) when required courses are offered.

American Council on the Teaching of Foreign Languages (ACTFL) Oral Proficiency Interview Requirement

All students pursuing a B.A. degree with certification to teach in grades K-12 will be expected to score at a level of advanced-low on the ACTFL Oral Proficiency Interview. This test will be given while the student is enrolled in Spanish 499 and must be completed before the internship begins.

The student must attain a cumulative grade-point average of 2.75 or better in courses taken at Winthrop and a GPA of 2.0 or better in the 36-38 hours of the required program. The student must complete a minimum of 12 semester hours in the major in residence at Winthrop University. No more than three hours of Practicum Experience can count toward the major.

Not more than 36 semester hours in any one subject designator may be applied toward the major for a Bachelor of Arts degree. See page 14 for more information.

See pages 16-18 for additional degree requirements.