

The College of Arts and Sciences

Debra C. Boyd, Dean
Sarah F. Stallings, Associate 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 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, and Specialist in School Psychology degrees with the following majors:

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

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

Bachelor of Social Work Degree: social work.

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.

Specialist in School Psychology Degree: school psychology.

Minors for undergraduate degrees are offered through the College of Arts and Sciences in African-American studies, anthropology, applied physics, biology, chemistry, English, environmental studies, French, general science, geography, geology, German, gerontology, history, human nutrition, international area studies, mathematics, philosophy, philosophy and religion, political science, psychology, secondary education, social sciences, social welfare, sociology, Spanish, women's studies, and writing. See the section on Minors for requirements.

Winthrop's undergraduate program in human nutrition is accredited by the Commission on Accreditation for Dietetics Education (CADE) of The American Dietetic Association. 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.

Pre-major Advising Center--University College

Students who do not declare majors are assigned advisers in the Pre-major Advising Center. Advising is provided by faculty members representing a variety of academic departments who help resolve issues that pre-majors tend to encounter. The Pre-major Advising Center is administered by University College and is located in 106 Kinard.

Pre-College Credit and Dual Credit

Qualified high school students may enroll for university courses at Winthrop during the regular academic year or summer session. To qualify, students must be recommended by their high school counselors or principals. Credit earned can count towards a high school diploma, for college credit at Winthrop or both. However, this dual credit option is limited to secondary schools with which Winthrop has dual credit agreements.

College of Arts and Sciences Requirements

Foreign Language Requirements: A candidate for a BA or BS 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 or by passing a foreign language course numbered 102 or any foreign language course with 102 as a prerequisite. A maximum of three semester hours of foreign language courses may be applied to Logic/Language/Semiotics area of the Winthrop University General Education requirements. **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. 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.**

COLLEGE OF ARTS & SCIENCES--BIOLOGY

Grade Point Average (GPA) Requirement: A minimum grade-point average of 2.0 cumulative is required for courses taken at Winthrop, as well as for courses counted toward the major program. All students pursuing degrees that require a minor must achieve a minimum cumulative GPA average of at least 2.0 in courses counted toward the minor.

B.A. Degree Requirements: All B.A. degree programs require that students complete a minor. Not more than 36 semester hours in any one subject designator may be applied toward the major for a Bachelor of Arts degree. A student may elect to apply up to 6 semester hours in the same subject designator toward general electives, general education distribution requirements, or a minor with the exception of the social sciences minor, unless limited by the major program.

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 can not minor in business or mass communication.

Teacher Certification: Certification is available in the following areas: biology, English, French, mathematics, social studies (which includes anthropology, economics, geography, history, political science and sociology) and Spanish. Students must meet all requirements for admission to and completion of the Teacher Education Program and its core curriculum. All phase-in information as explained in the College of Education section of this catalog will be applicable.

BIOLOGY

Faculty

Professors

Janice B. Chism
John E. Dillé
James W. Johnston, *Chair*
William Rogers

Associate Professors

Dwight D. Dimaculangan
Susan Marks
Paula L. Mitchell
Julian Smith III

Assistant Professors

Lee Anne Cope
Laura Glasscock
Peter C. Phillips
John M. Schmidt
Kristi Westover

Lecturers

Jack Bagwell
Jessica Boulware
Peter Cumbie
Deborah R. Curry
Lockett V. Davis, *Professor Emeritus*
Steven E. Fields
Amanda Gilleland
Martha Love
Charles Neilson
Lynn Snyder
Pravda Stoeva-Popova
Almaz Yilma

Instructor

Cassie Bell

Bachelor of Science in Biology

The biology major is frequently chosen by students with career interests related to medicine, environmental science, biological research and teaching, and secondary education in the sciences. Qualified Winthrop students in biology are accepted for postgraduate study in many fields, including medicine, dentistry, veterinary medicine, physical therapy, physiology, microbiology, ecology, environmental science, botany, zoology, and medical technology.

Students majoring in biology should take BIOL 203, 204 and 205 or 206, CHEM 105-106 and 107-108 and a MATH elective in the freshman year. Students are required to take at least one 500-level course in Biology.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101, CRTW 201	Composition; Crit Reading, Thinking, Writing	6
Quantitative Skills	Met in major requirements	0
Logic/Language/Semiotics		
MATH	Met by major requirements	0
Foreign Language		3-4†
Oral Communication	Met in major by BIOL 480	0
Technology	Met by major requirements	0
Skills for Common Experience and Thinking Across Disciplines		
GNED 102	The Human Experience: Who Am I?	3

Global Perspectives	See approved list	3
Historical Perspectives	See approved list	3
Developing Critical Skills and Applying them to Disciplines		
Natural Science	Met by major requirements	0
Social Science	See approved list; must include two designators	6-9*
Humanities and Arts	See approved list; must include two designators	6-9*
*Must take 15 hours from these two categories.		
Intensive Writing	Met by major requirements	0
Constitution Requirement	See approved list; may be met by other req	0-3
Subtotal		34-38
Requirements in Major		
BIOL 203, 204, 205, 206, 300, 480, 491, 492		19
BIOL electives – select one course from each of the following areas:		23
Ecology/Evolution		
BIOL 323, 403, 513, 515, and 527		
Organismal Biology		
BIOL 303, 304, 310, 505, 508, 510, 511, 518, 520, and 525		
Physiology/Integrative		
BIOL 307, 308, 317, 322, 519, and 524		
Cell/Molecular		
BIOL 315, 321, 517, 521, 522, 526, 555, 556, and 560		
Select additional courses to total 42 hours in BIOL from:		
BIOL 318, 340, A, B, or C, 440, 450, 461, 463, 471, 530, and 540		
(Students must select at least one 500-level BIOL course)		
CHEM 105, 106, 107, and 108	General Chemistry I & II	8
MATH (excl 291 and 292) or CTQR 150		6
Mathematics and Science Electives		11**
Subtotal		67
Foreign Language Requirement		0- 4
General Electives		15-23
Total hours		124

†Students completing the required program for the BS degree in Biology 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 examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

**11 hours mathematics and science electives must be chosen from: MATH (except 291 & 292 and any course used to satisfy the Quantitative Reasoning Area); CHEM (except 101, 340A, B, C, 461, 462, or 463); PHYS; GEOL; AND QMTH 205, 206 (if MATH 141 not selected).

The student must attain a cumulative grade-point average of 2.00 or better in courses taken at Winthrop and included in the 67 semester hours of the required program. The student must complete a minimum of 12 semester hours of BIOL courses in residence at Winthrop University. Within the 124 semester hours required for this degree, the student must include a minimum of 40 semester hours in courses numbered above 299. 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, 463 and 340 A, B, C.

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 98.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101, CRTW 201	Composition; Crit Reading, Thinking, Writing	6
Quantitative Skills		
Met in major requirements		
Logic/Language/Semiotics		
MATH	Met by major requirements	0
Foreign Language		3-4†
Oral Communication	Met in major by BIOL 480	0
Technology	Met by major requirements	0

COLLEGE OF ARTS & SCIENCES--BIOLOGY

Skills for Common Experience and Thinking Across Disciplines

GNED 102	The Human Experience: Who Am I?	3
Global/Multicultural Perspectives	See approved lists	3
Historical Perspectives	See approved list	3
Developing Critical Skills and Applying them to Disciplines		
Natural Science	Met by major requirements	0
Social Science	See approved list; must include two designators	6-9*
Humanities and Arts	See approved list; must include two designators	6-9*
*Must take 15 hours from these two categories.		
Intensive Writing	Met by major requirements	0
Constitution Requirement	See approved list; may be met by other req	0-3
Subtotal		34-38
Requirements in Major		
BIOL 203, 204, 205, 206, 300, 307, 308, 310, 315, 317, 318, 480, 491, 492, 513, and 403 or 515		46
CHEM 105, 106, 107, and 108	General Chemistry I & II	8
MATH (excluding 291 and 292) or CTQR 150		6
PHYS 201, 202 and GEOL	General Physics I & II	11
Subtotal		71
Professional Education Sequence		
EDUC 110, 210, 250, 275, 310, 390, 475, 490		29**
SCIE 391, 392		4
Subtotal		33
Foreign Language Requirement		0- 4
General Electives		0
Total hours		138-146

†Students completing the required program for the BS degree in Biology 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 examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

**A grade of C or better is required in EDUC 110, 210, 250, 275, 310, and 390.

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. **The PRAXIS II Series is required prior to graduation:** 1) Subject Assessment/Specialty Area Tests and 2) Principles of Learning and Teaching (PLT) Test.

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 71 hours of the required program. The student must complete a minimum of 12 semester hours of BIOL courses in residence at Winthrop University. Within the 137-146 hours required for the degree, the student must include a minimum of 40 hours in courses numbered above 299. 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, 463, and 340 A, B, and C.

Certification as a Medical Technologist - Bachelor of Science in Biology

Program Director: Dr. John Dillé

Students desiring national certification as a Medical Technologist should consult with the department's Med-Tech advisor 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
Critical Skills		
Writing and Critical Thinking		
WRIT 101, CRTW 201	Composition; Crit Reading, Thinking, Writing	6
Quantitative Skills		
	Met in major requirements	0
Logic/Language/Semiotics		
MATH	Met by major requirements	0
Foreign Language		3-4†
Oral Communication		
	Met in major by BIOL 480	0
Technology		
	Met by major requirements	0
Skills for Common Experience and Thinking Across Disciplines		
GNED 102	The Human Experience: Who Am I?	3

Global Perspectives	See approved list	3
Historical Perspectives	See approved list	3
Developing Critical Skills and Applying them to Disciplines		
Natural Science	Met by major requirements	0
Social Science	See approved list; must include two designators	6-9*
Humanities and Arts	See approved list; must include two designators	6-9*
*Must take 15 hours from these two categories.		
Intensive Writing	Met by major requirements	0
Constitution Requirement	See approved list; may be met by other req	0-3
Subtotal		34-38
Requirements in Major		
BIOL 203, 204, 205, 206, 300, 480, 491, 492		19
BIOL electives – select one course from each of the following areas:		14-15
Ecology/Evolution		
BIOL 403, 513, 515, and 527		
Organismal Biology		
BIOL 310	Microbiology	
Physiology/Integrative		
BIOL 317	Genetics	
Cell/Molecular		
BIOL 522	Immunology	
Select additional courses to total 42 hours in BIOL from the following list:		8-9
BIOL 315, 318, 440, 517, 525, 526, 530, 555. or 556		
(Students must select at least one 500-level BIOL course)		
CHEM 105, 106, 107, and 108	General Chemistry I & II	8
CHEM 301, 302, 303, 304	Organic Chemistry I & II	8
MATH (excl 291 and 292) or CTQR 150		6
Mathematics, CTQR 150, and Science Electives: Select additional courses from the following list: CHEM 313, 314, 523, 524, and 525; CSCI 101; MATH 141 (or QMTH 205 and 206); CTQR 150.		3
Students are advised (optional) to complete CHEM 313 and 314.		
Subtotal		66-68
Foreign Language Requirement		0- 4
General Electives		14-24
Total hours		124

†Students completing the required program for the BS degree in Biology 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 examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

The student must attain a cumulative grade-point average of 2.0 or better in courses taken at Winthrop and included in the 67 semester hours of the required program. The student must complete a minimum of 12 semester hours of BIOL courses in residence at Winthrop University. Within the 124 semester hours required for this degree, the student must include a minimum of 40 semester hours in courses numbered above 299. 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, 463, and 340A, B, C.

Although Winthrop University is formally affiliated with the schools of medical technology of Carolinas Medical Center in Charlotte, NC and McLeod Regional Medical Center in Florence, SC, students may apply to any NAACLS accredited hospital program in the US. Although specific admission requirements vary among accredited hospitals, students are normally required to have a cumulative grade-point average of at least 3.0 for acceptance into the hospital program.

COLLEGE OF ARTS & SCIENCES--CHEMISTRY
CHEMISTRY, PHYSICS, AND GEOLOGY

Faculty

Professors

Marsha Bollinger
 Lennart Hans Kullberg
 Ponn Maheswaranathan
 Patrick M. Owens, *Chair*
 Mesgun Sebhatu

Associate Professors

Irene Boland
 Clifton P. Calloway

Assistant Professors

Gwen M. Daley
 Aaron M. Hartel
 Robin K. Lammi
 Chasta Parker
 Takita F. Sumter

Instructors

Roy A. Jameson
 Kathie Snyder

Lecturers

Harold Arvidson
 Tristram Bethea
 Flora Brooks
 William A. Quarles
 David Whitley

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 five programs of study to tailor their curricula to meet their long-term professional objectives. Three programs of study focus on **chemistry (ACS Approved)**, **biochemistry**, and **environmental chemistry**. A new chemistry-engineering program of study is designed for students interested in obtaining engineering and science degrees. The **multidisciplinary chemistry program of study** is designed for maximum flexibility to meet a broad array of students interests or needs.

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

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills	Met in major requirement by MATH 201	0
Oral Communication	See approved list; may be met through other req	0-3
Logic/Language/ Semiotics	Met in major requirement by MATH 202	0
Foreign Language Requirement	Second semester proficiency required	3-4†
Technology	See approved list; may be met by another req	0-3
Skills for a Common Experience and Thinking Across Disciplines		
GNED 102	The Human Experience: Who Am I?	3
Global Perspectives	See approved list	3
Historical Perspectives	See approved list	3

Developing Critical Skills Applying them to Disciplines

Natural Science	Met by major requirements	0
Social Science	See approved list. Must include two designators*	6-9
Humanities and Arts	See approved list. Must include two designators*	6-9
*Must have 15 hours within these two categories.		
Intensive Writing	See approved list	3
Constitution Requirement	May be satisfied through other requirements	0-3
Subtotal		37-47

Requirements in Major: Complete Core and one of four Programs of Study (ACS-Approved Chemistry, Biochemistry, Multidisciplinary Chemistry, or Environmental Chemistry)

Required Core Program		35
MATH 201-202	Calculus I & II	6
CHEM 105-108	General Chemistry I & II	8
CHEM 301-304	Organic Chemistry I & II	8
CHEM 312	Introductory Chemometrics	1
CHEM 313-314	Quantitative Analysis	4
CHEM 407-410	Physical Chemistry I & II	8
CHEM 491-494	Department Seminar	0
Choose one of four programs of study listed below:		
American Chemical Society (ACS) Approved Chemistry Program of Study		36
<i>(Students completing this program of study will be Winthrop-certified ACS chemistry graduates.)</i>		
BIOL 203-204	Principles of Biology	4
PHYS 211-212	Physics with Calculus I & II	8
CHEM 305	Chemical Hygiene and Safety	1
CHEM 330, 332	Introductory Inorganic Chemistry	4
CHEM 502-503	Instrumental Analysis	4
CHEM 523, 525	Biochemistry I	4
CHEM 526 or CHEM 570	Adv Investigative Biochemistry, Chemical Synth	2
CHEM 530	Inorganic Chemistry	3
CHEM 551-552	Individual Research	6
Biochemistry Program of Study		37-38
BIOL 203-204	Principles of Biology	4
PHYS 211-212	Physics with Calculus I & II	8
CHEM 305	Chemical Hygiene and Safety	1
CHEM 330, 332	Introductory Inorganic Chemistry	4
CHEM 523-525	Biochemistry I, II, & Lab Techniques	7
CHEM 551, 552	Research I & II	6
BIOL 315	Cell Biology	4
BIOL 310 or 317	Microbiology, Genetics	3-4
Environmental Chemistry Program of Study		44
BIOL 203-204	Principles of Biology	4
PHYS 211-212	Physics with Calculus I & II	8
CHEM 305	Chemical Hygiene and Safety	1
CHEM 330, 332	Introductory Inorganic Chemistry	4
CHEM 502-503	Instrumental Analysis	4
CHEM 517	Advanced Environmental Chemistry	4
CHEM 523, 525	Biochemistry I	4
CHEM 527	Biochemical Toxicology	3
CHEM 551-552	Individual Research	6
GEOL 335	Fundamentals of Geochemistry	3
GEOL 340	Hydrogeology	3
Multidisciplinary Chemistry Program of Study		34
CHEM (>299)	Chemistry electives	8
PHYS 211-212	Physics with Calculus I & II	8
or PHYS 201-202	General Physics I & II	
Approved math or science electives (15 hours >299, BIOL, CHEM, CSCI, QMTH, PHYS, MATH)		18
Foreign Language Requirement		0-4
General Electives		4-19
Total		124

Chemistry-Engineering Dual Degree Program*(Students must simultaneously complete engineering degree at Clemson University to be eligible for this Winthrop degree.)*

MATH 201, 202	Calculus I & II	6
MATH 301, 302	Calculus III & IV	6
MATH 305	Differential Equations	3
PHYS 211, 212	Physics with Calculus I & II	8
CHEM 105-108	General Chemistry I & II	8
CHEM 301, 303	Organic Chemistry I	4
CHEM 312	Introductory Chemometrics	1
CHEM 313-314	Quantitative Analysis	4
CHEM 330, 332	Introductory Inorganic Chemistry	4
CHEM 407, 409	Physical Chemistry I	4
CHEM 491, 492	Department Seminar	0
CHEM (above 299)	Approved Chemistry Course	3
Approved math, science, or engineering courses (15 hours>299, may be taken at Winthrop or at the Engineering school)		18
Subtotal		69
(51 hours required at Winthrop)		
Foreign Language Requirement		0-4
General Electives		4-18
Total		124

† Students completing the required program in Chemistry must demonstrate proficiency in a foreign language at or above the second semester college-level. This requirement may be met by a satisfactory score or a recognized examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Lanugage/Semiotics

The student must attain a cumulative grade-point average of 2.0 or better in courses taken at Winthrop and included in the 69-79 semester hours of the required program. A cumulative grade-point average of 2.0 or better is also required in CHEM courses. The student must complete a minimum of 12 semester hours of CHEM courses in residence at Winthrop University. Within the 124 semester hours required for this degree, the student must include a minimum of 40 hours in courses numbered above 299.

ENGLISH**Faculty****Professors**

Susan B. Ludvigson
 William F. Naufftus
 David L. Rankin, *Professor Emeritus*
 Jane B. Smith
 Margaret Tebo-Messina

Associate Professors

John Bird
 Debra C. Boyd
 Max L. Childers
 J. Scott Ely
 Gloria G. Jones, *Chair*
 Josephine A. Koster
 Marquerite Quintelli-Neary

Assistant Professors

Siobhan Brownson
 Jack DeRochi
 Litasha Dennis
 Matthew A. Fike
 Cindy Furr
 Kelly Richardson

Lecturers

Clint Alexander
 Judy Corbett
 Andy Crissinger
 Jamie Ferguson
 Kenny Harmon
 Ann Jordan
 Jeannine Jordan
 Patricia MacEnulty

Instructors

Leslie W. Bickford
 Clara Kulmacz
 Mary Martin
 Norma McDuffie
 Marilyn Montgomery
 Evelyne Weeks

Bachelor of Arts in English, Language and Literature Track

The Bachelor of Arts in English with a literature and language concentration is designed for those students who want to focus on world, British, and American literature, in preparation for advanced study of literature as well as other professional careers.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
CTQR 150 or MATH 105 or MATH 201 or a MATH course with 201 as a prerequisite		3
Logic/Language/ Semiotics		
Foreign Language		3†
CSCI, PHIL 220 or 225, SPCH 201, MATH, QMTH		3
Oral Communication	May be met by another req; see approved list	0-3
Technology	May be met by major; see approved list	0-3
Skills for a Common Experience and Thinking Across Disciplines		
GNED 102	The Human Experience: Who Am I?	3
Global Perspectives	Met by major requirements	0
Historical Perspectives	Met by major requirements	0
Developing Critical Skills Applying them to Disciplines		
Natural Science	From two categories and one must be a lab science	7
Social Science	See approved list. Must include 2 designators	6
Humanities and Arts	6 hours met in major; remaining 3 from another designator may be met by HIST requirement*	3
Intensive Writing	Met in major	0
Constitution Requirement	See approved list; may be met through other req	0-3
Subtotal		35-44
Requirements in Major		
ENGL 203	Survey of British Literature	3
ENGL 207 or 208	Survey of World Literature	3
ENGL 211	Survey of American Literature	3
ENGL 300	Approaches to Literature	3
ENGL 305	Shakespeare	3
ENGL 491	Departmental Seminar	0
ENGL 303 or 507	Grammar; Development of Modern English	3
ENGL 312 or 323 or 324 or 504 or 515 or 529*		3
ENGL 319 or 501 or 503 or 511 or 512 or 513 or 514 or 520 or 521 or 525 or 527*		3
WRIT 300 or 351 or 500 or 501		3
Electives from ENGL above 299		9
HIST 308, 310, 313, 314, 315, 343, 344, 346, 347, 507, 509, 525, 540, or 542		6
Foreign Language Requirement		0-8
Requirements for Minor		15-24
General Electives		6-32
Total Semester Hours		124

†Students completing the required program for the BA degree in English must demonstrate proficiency in a foreign language at or above the third semester college level. This requirement may be met by a satisfactory score on a recognized examination or by passing any foreign language course numbered 201 or any course with 201 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

*Students must take at least one ENGL course numbered above 499.

The student must attain a cumulative grade-point average of 2.00 or better in courses taken at Winthrop and included in the 42-51 semester hours of the required program. The student must complete a minimum of 12 semester hours of ENGL courses in residence at Winthrop University. In addition to the 42-51 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 124 semester hours required for this degree, the student must include a minimum of 40 hours in courses numbered above 299.

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
Critical Skills		
Writing and Critical Thinking Skills		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
CTQR 150 or MATH 105 or MATH 201 or any MATH course with MATH 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language		3†
CSCI; PHIL 220, 225; SPCH 201; MATH; or QMTH		3
Oral Communication	Met by major	0
Technology	Met by major	0
Skills for a Common Experience and Thinking across Disciplines		
GNED 102	The Human Experience: Who Am I?	3
Global Perspectives	Met by major	0
Historical Perspectives	Met by major	0
Developing Critical Skills Applying them to Disciplines		
Natural Science (must take a total of 7 semester hours in Natural Sciences courses)		
Laboratory science in life sciences		3-4
Laboratory science in earth or physical sciences		3-4
Social Science	See approved list; must include two designators	6
Humanities and Arts	6 hours met in the major; select at least 1 course from a different subject area.	3
Intensive Writing	Met by major	0
Constitution Requirement	See approved list	0-3
Subtotal		35-38
Requirements in Major		
ENGL 203, 207 or 208, 211, 305		12
ENGL 300*, 303*, 507*		9
ENGL 491	Departmental Seminar	0
ENGE 519	Adolescent Literature	3
WRIT 350*	Intro to Comp Theory & Pedagogy	3
Electives from ENGL above 299, WRIT 300, 307, 316, or 500 (only 3 hours may be from WRIT 307 or WRIT 316)		9
Subtotal		36
Professional Education Sequence		
EDUC 110*, 210*, 250*, 275*, 310*~, 390*~, 475*~, 490*~		29
ENGE 391*~, 392*~	Princ of Teaching Engl; Field Exp in Teaching Engl	4
Subtotal		33
Foreign Language requirement		0-8
General Electives		9-20
Total Semester Hours		124

*A grade of C or better must be earned.

~Restricted to students admitted to the Teacher Education Program.

†Students completing the required program for the BA degree in English must demonstrate proficiency in a foreign language at or above the third semester college level. This requirement may be met by a satisfactory score on a recognized proficiency examination or by passing any foreign language course numbered 201 or any course with 201 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

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.

The PRAXIS II Series is required prior to graduation: 1) Subject Assessment/Specialty Area Tests and 2) Principles of Learning and Teaching (PLT) Test.

Teacher education students must select one course from the Multicultural Perspectives list identified by the Richard W. Riley College of Education.

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 hours of the required program. The student must complete a minimum of 12 semester hours in the major in residence at Winthrop University. Within the 124 semester hours required for the BA degree, the student must also include a minimum of 40 semester hours in courses numbered above 299. No more than three hours of Cooperative Education Experience can count toward the major.

Bachelor of Arts in English, Writing Track

The Bachelor of Arts in English with a writing concentration is designed for those students who wish to combine their love of reading with a close study of the elements of writing in preparation for a future in which writing will play a central role.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
CTQR 150 or MATH 105 or a MATH course with 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language		3†
CSCI, PHIL 220 or 225, SPCH 201, MATH, QMTH		3
Oral Communication	May be met through other requirement*	0-3
Technology	May be met through other requirement**	0-3
Skills for a Common Experience and Thinking Across Disciplines		
GNED 102	The Human Experience: Who Am I?	3
Global Perspectives	Met by major requirements	0
Historical Perspectives	May be met by major requirements	0-3
Developing Critical Skills Applying them to Disciplines		
Natural Science	From two categories and one must be a lab science	7
Social Science	See approved list. Must include 2 designators*	6
Humanities and Arts	6 met in major, remaining 3 from other designators*	3
Intensive Writing	Met in major	0
Constitution Requirement	See approved list; may be met by another req	0-3
Subtotal		35-47
Requirements in Major		
The English Core:		
ENGL 203	Survey of British Literature	3
ENGL 207 or 208	Survey of World Literature	3
ENGL 211	Survey of American Literature	3
ENGL 300	Approaches to Literature	3
ENGL 305	Shakespeare	3
ENGL 491	Departmental Seminar	0
Subtotal		15
The Elements of Writing: Rhetoric, Language, and Audience		
Select from WRIT 300, 350, 351, 465, 500, 501, ENGL 303, ENGL 507, IMCO 105, MCOM 302		
Select one of the following options:		12
Creative Writing		
Select at least two from WRIT 307, 316, 507, 516, 530; and no more than two from ENGL 317, 325, 501, 504, CSCI 101; or if focused on an appropriate topic, ENGL 310, 311, 320, 321, or 510 (Department Chair's permission required).		
ENGL 433 or WRIT 433	Internship	0-3
Writing for Business and Technology		
Select from WRIT 566, ENGL 510 (if on an appropriate topic), VCOM 261, ARTS 281, 305, 311, 371, BADM 180, 411, CSCI 101, MCOM 241, 340, 341, 370, 471, MGMT 355, or MKTG 380.		
ENGL 433 or WRIT 433	Internship	0-3
Subtotal		39
Foreign Language Requirement		0-8

Requirement for Minor	15-24
General Electives	6-35
Total	124

Students majoring in English with a writing concentration may not minor in Writing.

†Students completing the required program for the BA degree in English must demonstrate proficiency in a foreign language at or above the third semester college level. This requirement may be met by a satisfactory score on a recognized examination or by passing any foreign language course numbered 201 or any course with 201 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

*Can be met within the major if students take WRIT 465 or WRIT 566.

**Can be met within the major if students take WRIT 501 or CSCI 101.

The student must attain a cumulative grade-point average of 2.0 or better in courses taken at Winthrop and included in the 39 semester hours of the required program. The student must complete a minimum of 12 semester hours of ENGL courses in residence at Winthrop University. In addition to the 39 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 124 semester hours required for this degree, the student must include a minimum of 40 hours in courses numbered above 299. No more than three hours of Cooperative Education Experience or Academic Internship or a combination of the two can count toward the major in English.

Bachelor of Science in Science Communication

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
CTQR 150 or MATH 105 or MATH 201 or any MATH course with MATH 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language		3-4†
CSCI, PHIL 220 or 225, SPCH 201, MATH, QMTH		3
Oral Communication	May be met by major*	0-3
Technology	Met by major	0
Skills for a Common Experience and Thinking Across Disciplines		
GNED 102	The Human Experience: Who Am I?	3
Global Perspectives	See approved list	3
Historical Perspectives	See approved list	3
Developing Critical Skills Applying them to Disciplines		
Natural Science	May be met in major	0-7
Social Sciences	3 hours met in major; remaining 3-6 from other designators	6-9**
Humanities and Arts	6 hrs met in major	0-3**
**A total of 9 hours must be taken from these two areas.		
Intensive Writing	Met in major	0
Constitution Requirement	See approved list; may be met by another req	0-3
Subtotal		34-48
Requirements in Major		
Writing Core:		33
WRIT 300, 351, 566	Rhet Theory; Adv Non-Fict; Tech/Sci Writing	9
WRIT 461, 462	Science Communication Internship	6
ENGL 380	Literature of Science	3
ENGL or WRIT above 299***		6
***WRIT 465 or WRIT 566 required if BIOL 300 not taken)		
ENGL 492	Seminar in Science Communication	0
MCOM 241, 340, and either 333 or 343	Media Writ; Pub Prod; News Ed; Feature Writ	9
Technology:		9
ARTS 305 or 311	Intro to Photography; Photo Communication	3
CSCI 110 or 151	Intro to Comp & Programming; Overview of CSCI	3
BADM 411	Info Tech in Business Admin	3
Science Methods/Statistics:		11-12
PSYC 101, 301, and 302 (WRIT 465 or WRIT 566 required with this option)		

OR	
BIOL 203, 204, 205, or 206; and BIOL 300 (oral intensive elective required with this option)	
Additional Science Courses	15-16
Choose from areas below and at least 8 hours from one designator: Life Sciences: BIOL above 199; ANTH 202, 350; NUTR 201; SCIE 202, 301; Physical Sciences: CHEM, PHYS, GEOL, SCIE 201B, 201C	
Subtotal	68-70
Foreign Language Requirement	0-4
General Electives	2-22
Total	124

†Students completing the required program for the BS in Science Communication 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 examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

*Some students may meet Oral Communication in the WRIT core.

The student must attain a cumulative grade-point average of 2.0 or better in courses taken at Winthrop and included in the 61-66 semester hours of the required program. The student must complete a minimum of 12 semester hours of ENGL and/or WRIT courses in residence at Winthrop University. Within the 124 semester hours required for the BS degree, the student must include a minimum of 40 hours in courses numbered above 299.

ENVIRONMENTAL SCIENCES/STUDIES

Program Coordinator, Dr. Marsha Bollinger, Professor

Bachelor of Arts in Environmental Studies

The BA degree in Environmental Studies will provide students with a broad introduction to the scientific, social, political, cultural, economic, and policy aspects of environmental issues. BA 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
Critical Skills		
Writing and Critical Thinking		
WRIT 101, CRTW 201	Comp; Critical Reading, Thinking, & Writing	6
Quantitative Skills		
CTQR 150 or MATH 105 or MATH 201 or a MATH requiring MATH 201 as prerequisite		3
Logic/Language/Semiotics		
MATH 141	Finite Probability & Statistics	3
Foreign Language		3-4†
Oral Communication	See approved list	0-3
Technology		
CSCI 101	Intro to Comp & Info Processing	3
Skills for Common Experience and Thinking Across Disciplines		
GNEC 102	The Human Experience: Who Am I?	3
Global Perspectives		
GEOG 101	Human Geography	3
Historical Perspectives		
HIST 530	World Environmental History	3
Developing Critical Skills and Applying them to Disciplines		
Natural Science	Met in major by BIOL 203/204 and CHEM 101	0
Social Science		
ECON 103 or 215, ECON 343, PLSC 325		9
Humanities and Arts		
PHIL 340	Environmental Ethics	3
and one course from approved list (excluding PHIL)		3
Intensive Writing	Met in major by ENV 520	3
Constitution Requirement	May be met in major; see approved list	0-3
Subtotal		43-50
Requirements in the Major		
BIOL 203/204	Principles of Biology/Lab	4

<i>COLLEGE OF ARTS & SCIENCES--ENVIRONMENTAL SCIENCES</i>		
ENVS 101, 520	Intro to Environ Issues, Seminar in Environ	6
CHEM 101	Applying Chem to Society	3
Electives (select two courses from the following)		6
ANTH 540, ENGL 380, ENVS 495, 496, 510, PLSC 202, 220, SOCL 310, WRIT 566		
Science Electives (select one from the following)		3-4
BIOL 205, BIOL 206 , BIOL 303, BIOL 304, ENVS 495, ENVS 496, ENVS 510, CHEM 105/107, GEOG 500, GEOL 110/113, PHYS 201		
Foreign Language		0-4
Requirements in the Minor		15-24
General Electives		23-45
Total hours		124

†Students completing the required program in Environmental Studies must demonstrate proficiency in a foreign language at or above the second semester college-level. This requirement may be met by a satisfactory score or a recognized examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to Logic/Language/Semiotics.

Bachelor of Science in Environmental Sciences

The BS 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
Critical Skills		
Writing and Critical Thinking		
WRIT 101, CRTW 201	Comp; Critical Reading, Thinking, & Writing	6
Quantitative Skills		
MATH 105 or 201	Calc for Mgr & Life Sci; Calculus I	3
Logic/Language/Semiotics		
MATH 141	Finite Probability & Statistics	3
Foreign Language		3-4†
Oral Communication		
	See approved list	0-3
Technology		
	See approved list—CSCI 101 or 110 recommended	0-3
Skills for Common Experience and Thinking Across Disciplines		
GNED 102	The Human Experience: Who Am I?	3
Global Perspectives		
	See approved list; may be met in major	0-3
Historical Perspectives		
	See approved list; may be met in major	0-3
Developing Critical Skills and Applying them to Disciplines		
Natural Science		
	Met in major by BIOL 203/204, GEOL 110	0
Social Science		
	Met in major	0
Humanities and Arts		
	3 hours met in major; see approved list for 3 hours from another designator	3
Intensive Writing		
	Met in major by ENVS 520	0
Constitution Requirement		
	May be met by other requirements; see approved list	0-3
Subtotal		22-38
Requirements in the Major		53
ENVS 101, 520	Intro to Environmental Issues, Seminar in Environ	6
BIOL 203/204	Principles of Biology/Lab	4
BIOL 205 or 206	General Botany, Zoology	4
BIOL 300, 310, 515	Scient Process, Microbiology, Environ Biol	12
CHEM 105/107,106/108,301/303,302/304	General Chem I & II, Organic Chem I & II	16
GEOL 110/113, 340	Physical Geol/Lab, Hydrogeology	7
PHYS 201 or 211	General Physics, Physics with Calculus	4
Science/Math Electives (select from the following)		8-10
ANTH 540	Ecological Anthropology	
BIOL 205 or 206	Botany, Zoology	
BIOL 403	Ecology	
CHEM 312/313/314, 517	Chemometrics/Quant Analysis/Lab/Adv Envir Chem	
ENVS 495, 496, 510	Independ Res in Environ, Special Topics	
GEOG 500	Global Environment & Sustainable Development	
GEOL 335	Fundamentals of Geochemistry	
MATH 202, 300, 305, 546	Calc II, Linear Algebra, Diff Equa, Appl Stats	
PHYS 202 or 212	Gen Physics II, Physics with Calc II	

Other Program Electives		9
Select 9 hours (at least two designators) from the following:		
ECON 103 or 215 and 343	Polit Econ, Prin of Microecon, Envir Econ	
SOCL 101 or 201 and 310	Social Prob & Policy, Prin of Soc, Soc of Environ	
GEOG 101	Human Geography	
PLSC 325	Environmental Politics	
Select 3 hours from the following		3
HIST 102	World Civilizations since 1500	
HIST 530	World Environmental Hist	
PHIL 340	Environmental Ethics	
Foreign Language Requirement		0-4
General Electives		7-29
Total hours		124

†Students completing the required program in Environmental 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 examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

HISTORY

Faculty

Professors

Jason H. Silverman

Associate Professors

Rory T. Cornish, *Chair*

Lynne Dunn

Edward S. Haynes

J. Edward Lee

Virginia S. Williams

Assistant Professors

Michael S. Aradas

L. Andrew Doyle

Janet Hudson

David Pretty

Lecturers

Mary Catherine Griffin

Robert Sturgis

Richard D. Whisonant

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
Critical Skills		
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
CTQR 150 or MATH 105, or 201 or a MATH course with MATH 201 prerequisite		3
Logic/Language/Semiotics		
Foreign Language		3-4†
CSCI, PHIL 220 or 225, SPCH 201, MATH, QMTH		3
Oral Communication	Met in major by HIST 500	0
Technology	See approved list; may be met by another req	0-3
Skills for a Common Experience and Thinking Across Disciplines		
GNED 102	The Human Experience: Who Am I?	3
Global Perspectives	Met in major	0
Historical Perspectives	Met in major	0
Developing Critical Skills Applying them to Disciplines		
Natural Science	From 2 categories and one must be a lab science	7
Social Science	See approved list; must include two designators	6-9*
Humanities and Arts	3 met in major, remaining 6 from two designators on approved list	3-6*

COLLEGE OF ARTS & SCIENCES--HISTORY

*A total of 12 hours must be met from these two categories.

Intensive Writing	Met in major by HIST 500	0
Constitution Requirement	Met in major	0
Subtotal		38-42
Requirements in the Major		
HIST 101	World Civilizations to 1500	3
HIST 102	World Civilizations since 1500	3
HIST 211	US History to 1877	3
HIST 212	US History since 1877	3
HIST 500	Historiography and Methodology	3
Subtotal		15
HIST electives, including 6 hours at the 500 level and at least 3 semester hours from each of the following groupings:		15
United States:		
HIST 308, 310, 313, 314, 315, 321, 505, 507, 509, 515, 518, 521, 524, 525, 527;		
Europe:		
HIST 343, 344, 345, 346, 347, 540, 542, 547, 548;		
Asia, Africa and Latin America:		
HIST 331, 332, 337, 351, 352, 551, 552, 553, 560, 561.		
HIST 350, 355A, B, C, 450, 463, 471/472, 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		0-4
Requirements in the Minor		15-24
General Electives		24-41
Total Hours		124

†Students completing the required program in BA History 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 examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

**Bachelor of Arts in History
Certification as Secondary School Teacher of Social Studies**

Students desiring Certification as teachers of secondary social studies should consult with the department's teacher certification adviser 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
Critical Skills		
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
CTQR 150 or MATH 105, MATH 201 or any MATH with 201 prerequisite		3
Logic/Language/Semiotics		
Foreign Language		3-4†
CSCI, PHIL 220-225, SPCH 201, MATH or QMTH		3
Oral Communication	Met in major	0
Technology	Met in major	0
Skills for a Common Experience and Thinking Across Disciplines		
GNEQ 102	The Human Experience: Who Am I?	3
Global Perspectives	Met in major	0
Historical Perspectives	Met in major	0
Developing Critical Skills Applying them to Disciplines		
Natural Science		7
Laboratory science in life sciences		
Laboratory science in earth or physical sciences		
Social Science	Met by major	0
Humanities and Arts	3 hours met in major; select 3 hours from another designator on approved list.	3

Intensive Writing	Met by major	0
Constitution Requirement	Met by major	0
Subtotal		29-30
Requirements in the Major		
ANTH 201; ECON 215, 216, GEOG 101, 103 or 104 or 306; PLSC 201, 202; SOCL 101		24
HIST 101, 102, 211, 212, 500		15
HIST electives		15
Including at least 6 hours at the 500 level and at least 3 semester hours from each of the following groupings:		
United States		
HIST 308, 310, 313, 314, 315, 321, 505, 507, 509, 515, 518, 521, 524, 525, 527;		
Europe		
HIST 343, 344, 345, 346, 347, 540, 542, 547, 548;		
Asia, Africa, and Latin America		
HIST 331, 332, 337, 351, 352, 551, 552, 553, 560, 561.		
HIST 350, 355A, B, C; 450, 463, 471/472 and 550 may also be taken as electives and would be applied to the groupings above in which the particular subject matter applies. (Six hours of Global Perspectives and/or European, and 6 hours of US and/or SC are strongly recommended.)		
Subtotal		54
Professional Education Sequence:		
EDUC 110*, 210*, 250*, 275*, 310*, 390*, 475, 490		29
SCST 391, 392		4
Foreign Language Requirement		0-4
General Electives		3-8
Total Semester Hours		124

†Students completing the required program for the BA in History, Certification as a secondary school teacher of social studies 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 or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

*A grade of C or better is required.

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.

The PRAXIS II Series is required prior to graduation: 1) Subject Assessment/Specialty Area Tests and 2) Principles of Learning and Teaching (PL) Test.

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 54 semester hours of the required program. The student must complete a minimum of 12 semester hours of HIST courses in residence at Winthrop University. Within the 124 semester hours required for this BA degree, the student must also include a minimum of 40 semester hours in courses numbered above 299. No more than three hours of Cooperative Education Experience can count toward the major.

COLLEGE OF ARTS & SCIENCES--HUMAN NUTRITION
HUMAN NUTRITION

Faculty

Professors

Sarah F. Stallings
 Patrica Giblin Wolman, *Chair*

Associate Professor

R. Carlton Bessinger
 E. Jean Silagyi Rebovich

Assistant Professor

Mabaye Dia

Lecturers

Lauri Byerley
 David Jewell
 Michelle Johnson
 Sally Kiefer
 Ratna Kolhatkar
 Alice Sutton
 Michele Szafranski
 Elizabeth Weikle

Instructors

Christine H. Goodner
 Judy Harper Thomas

**Bachelor of Science in Human Nutrition
 (Didactic Program in Dietetics Option)**

CADE Accredited Didactic Program in Dietetics

Students completing Winthrop University's Didactic Program in Dietetics meet or exceed the minimum academic requirements of the Commission on Accreditation for Dietetics Education (CADE) of the American Dietetic Association. CADE is a specialized accrediting body recognized by the Council on Higher Education Accreditation and the United States Department of Education. The address and phone number of CADE are: 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, (312) 899-4876. Students will be prepared to work as entry-level dietitians after completing an accredited internship. CADE Didactic Program in Dietetics verification from Winthrop University requires completion of the BS degree in Human Nutrition with a minimum grade of C in all NUTR courses completed at Winthrop and a grade point average greater than or equal to 2.5 in all NUTR courses.

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 unless the student earns a grade of "75%" or better on an examination administered by the instructor of record for the equivalent Winthrop course.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking Skills		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
CTQR 150 or MATH 105 or MATH 201 or any MATH with MATH 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language		3-4†
MATH 141	Finite Probability and Statistics	3
Oral Communication		
SPCH 201	Public Speaking	3
Technology		
CSCI 101 or 110	Intro to Comp & Info Proc, Comp & Program	3
Skills for a Common Experience and Thinking across Disciplines		
GNED 102	The Human Experience: Who Am I?	3
Global Perspectives	See approved list	3
Historical Perspectives	See approved list	3
Developing Critical Skills Applying them to Disciplines		
Natural Science (must take a total of 7 semester hours in Natural Sciences courses)		
NUTR 221	Human Nutrition	3
CHEM 105/107	Gen Chemistry I/Lab	4

Social Science (must include two designators)		
SOCL 201 or ANTH 201	Princ of Soc, Cultural Anthropology	3
PSYC 101	General Psychology	3
ECON 215	Microeconomics	3
Humanities and Arts		6
Select at least two courses from two different subject areas. See approved list.		
Intensive Writing		
NUTR 534	Seminar in Human Nutrition	3
Constitution Requirement		0-3
See approved list; may be met by other requirements		
Subtotal		56-60
Requirements in Major		
NUTR 226, 321/322, 327, 340C, 370, 371, 421, 427, 471, 521, 522, 523/524, 527, 572		40
BIOL 308, 310		8
CHEM 106/108, 301/303, 521		11
PSYC 307	Development II: Adulthood	3
HCMT 200	Intro to Health Care Mgmt	3
Foreign Language Requirement		0-4
General Electives		0-3
Total Semester Hours		124-129

† Students completing the required program in BS Human Nutrition 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 examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

Bachelor of Science in Human Nutrition (Nutrition Science Option)

Students completing Winthrop University's Nutrition Science Option meet or exceed the minimum academic requirements for graduate study in medicine, dentistry, physical therapy, pharmacy and physician assistant programs. At least 21 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 Department Chair. No credit will be accepted for NUTR courses greater than ten years old unless the student earns a grade of "75%" or better on an examination administered by the instructor of record for the equivalent Winthrop course.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking Skills		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
CTQR 150 or MATH 105 or MATH 201 or any MATH with MATH 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language		3-4†
MATH 141	Finite Probability and Statistics	3
Oral Communication		
SPCH 201	Public Speaking	3
Technology		
CSCI 101 or 110	Intro to Comp & Info Proc, Comp & Program	3
Skills for a Common Experience and Thinking across Disciplines		
GNEP 102	The Human Experience: Who Am I?	3
Global Perspectives		3
See approved list		
Historical Perspectives		3
See approved list		
Developing Critical Skills Applying them to Disciplines		
Natural Science--Must take a total of 7 semester hours in Natural Sciences courses		
NUTR 221	Human Nutrition	3
CHEM 105/107	Gen Chemistry I/Lab	4
Social Science		
SOCL 201 or ANTH 201	Princ of Soc, Cultural Anthropology	3
PSYC 101	General Psychology	3

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ECON 215	Microeconomics	3
Humanities and Arts		6
Select at least two courses from two different subject areas. See approved list.		
Intensive Writing		
NUTR 534	Seminar in Human Nutrition	3
Constitution Requirement	See approved list	0-3
Subtotal		56-60
Requirements in Major		
NUTR 321/322, 327, 370, 421, 427, 521, 522, 523/524, 527		27
BIOL 307, 308, 310	Human Anatomy, Physiology, Microbiology	12
CHEM 106/108, 301/303, 302/304, 521	Gen Chem, Organic Chem I & II, Nutri Biochem	15
PHYS 201, 202	General Physics I & II	8
PSYC 307	Development II: Adulthood	3
HCMT 200	Intro to Health Care Mgmt	3
Foreign Language Requirement		0-4
General Electives		0
Total Semester Hours		124-132

†Students completing the required program in BS Human Nutrition 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 examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

**Bachelor of Science in Human Nutrition
(Food Systems Management Option)**

Students completing Winthrop University's Food Systems Management Option are prepared for entry-level positions in food systems administration. Career opportunities are available in both institutional and commercial food service settings. Graduates are recruited by food systems management companies. Sales positions with food and equipment companies offer additional career opportunities.

At least 22 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 Department Chair. No credit will be accepted for NUTR courses greater than ten years old unless the student earns a grade of "75%" or better on an examination administered by the instructor of record for the equivalent Winthrop course.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking Skills		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
CTQR 150 or MATH 105 or MATH 201 or any MATH with MATH 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language		3-4†
MATH 141	Finite Probability and Statistics	3
Oral Communication		
SPCH 201	Public Speaking	3
Technology		
CSCI 101 or 110	Intro to Comp & Info Proc, Comp & Program	3
Skills for a Common Experience and Thinking across Disciplines		
GNED 102	The Human Experience: Who Am I?	3
Global Perspectives	See approved list	3
Historical Perspectives	See approved list	3
Developing Critical Skills Applying them to Disciplines		
Natural Science--Must take a total of 7 semester hours in Natural Sciences courses		
NUTR 221	Human Nutrition	3
CHEM 105/107	Gen Chemistry I/Lab	4
Social Science		
SOCL 101	Social Problems	3
PSYC 101	General Psychology	3
ECON 215	Microeconomics	3

Humanities and Arts	Select at least 2 courses from 2 different subj areas. See approved list.	6
Intensive Writing		
NUTR 534	Seminar in Human Nutrition	3
Constitution Requirement	May be met by other reqs; see approved list	0-3
Subtotal		56-60
Requirements in Major		
NUTR 321/322, 327, 340C, 370, 371, 421, 471, 523/524, 572		27
ACCT 280, 281	Acct Info for Business Decisions I & II	6
CHEM 106/108	General Chemistry	4
BADM 180	Contemporary Business Issues	3
FINC 311	Principles of Finance	3
HCMT 200, 300	Intro to Health Care Mgmt, Health Care Mgr	6
MGMT 321, 422	Principles of Management, Hum Res Mgmt	6
SOCL 314	Race & Ethnic Relations	3
Foreign Language Requirement		0-4
General Electives		2-10
Total Semester Hours		124

† Students completing the required program in BS Human Nutrition 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 examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

MASS COMMUNICATION

Faculty

Professors

J. William Click, *Chair*
William A. Fisher

Assistant Professor

Guy S. Reel

Associate Professors

D. Haney Howell
Marilyn S. Sarow
Lawrence C. Timbs

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 in professional style to a professional level of competence; and edit and produce, either in printed or broadcast form; all while meeting standards of professional ethics.

Students will be classified as pre-majors (MCMP) in the department until they have completed WRIT 101, GNED 102, CTQR 150, ECON 215, MCOM 205 and 241, and have attained a 2.0 or higher grade-point average, at which time they can apply for admission to the program.

Students are required to earn a "C" or better in each required course in the major as well as to earn at least a 2.0 GPA in the major.

Students are required to type all written assignments and must furnish their own word processors. Keyboard proficiency is required for MCOM 241 and is tested each semester before registration. Students who fail the test must wait until the following semester to take the test again.

The mass communication major is limited to 36 hours of MCOM and IMCO courses. Students who exceed 36 hours in MCOM and IMCO will not be allowed to apply those additional hours toward the required degree program.

Students are expected to complete courses in the major in numerical order; for example, MCOM 205, 241, 333, 342, 343, 410, 412, 441.

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 and 342 must be taken at Winthrop. A grade of B or better in WRIT 101 is required for admission to MCOM 241.

Students must complete at least 65 hours in the basic liberal arts and sciences.

COLLEGE OF ARTS & SCIENCES--MASS COMMUNICATION

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101, CRTW 201	Composition, Crit Reading, Thinking, & Writing	6
Quantitative Skills		
CTQR 150	Quant Methods in Critical Thinking	3
Technology		
	Met by major, MCOM 205 and 241	0
Oral Communication		
	Met by major	0
Logic/Language/Semiotics		
Foreign Language		3-4†
SPCH 201	Public Speaking	3
Skills for a Common Experience and Thinking Across Disciplines		
GNED 102	The Human Experience: Who Am I?	3
Global Perspectives		
	See approved list	3
Historical Perspectives		
HIST 212 or 308 or 507 or 509		3
Developing Critical Skills and Applying them to Disciplines		
Social Science		
	See approved list.	0-3*
PLSC 202, ECON 215	State and Local Gov't, Princ of Microeconomics	6
Humanities and Arts		
	See approved list; 3 hours may be met in major.	6-9*
*Must take 9 hours from these two categories.		
Natural Science		
	2 designators from two of three categories—earth, life sci, physical sci—must be chosen	7
Intensive Writing		
	Met in major by MCOM 412	0
Constitution Requirement		
	See approved list; may be met by other req	0-3
Subtotal		47-51
Requirements in Major		
	Statistics (MATH 141 or QMTH 205 or SOCL 316 or PSYC 301)	3-4
	MCOM 205, 241, 410, 412, 499	13
Complete one of the following sequences:		
Journalism:		
	MCOM 333, 342, 441; one from MCOM 331 or 343 or 471 or 510; and ARTS 305 or 310 or 311	15
	MCOM Electives	9
Broadcast:		
	MCOM 325, 346, 425, 446; and 444 or 447	15
	MCOM Electives	6
Subtotal		37-41
Foreign Language Requirement		0-4
Requirements in the minor		15-24
General Electives		4-25
Total		124

†Students completing the required program for the B.A. degree in Mass Communication 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 examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

In addition to the required major, the student must select and complete a minor or a second major, attaining no less than a 2.0 GPA in the minor or second major. Within the 124 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299. The student must attain a cumulative grade-point average of 2.0 or better in courses taken at Winthrop and in those courses included in the major.

Bachelor of Science in Integrated Marketing Communication

Students majoring in integrated marketing communication are interested in careers in the various communication professions that support the marketing 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 marketing communication messages and materials in printed, electronic or multimedia form, all while meeting standards of professional ethics.

Students will be classified as pre-majors (IMCP) in the program until completion of 19 hours of coursework (CTQR 150, WRIT 101, GNED 102, ECON 215, CSCI 101, IMCO 105, and MCOM 241) with a minimum GPA of 2.0. Students

must apply to the Integrated Marketing Communication Committee for admission into the program.

Students are required to earn a "C" or better in each course in IMCO, MCOM, MGMT and MKTG.

Keyboard proficiency is required for MCOM 241.

The integrated marketing communication major is limited to 36 hours of MCOM and IMCO courses and 30 hours of business administration courses. Students who exceed these maxima will not be allowed to apply those additional hours toward the required degree program.

Students are expected to complete courses in the major in the prescribed order. Assigned academic advisers should be consulted regarding course selection and sequencing.

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 the maxima of 36 hours in MCOM and IMCO or 30 hours in business administration. Students must complete at least 65 hours in the basic liberal arts and sciences.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101, CRTW 201	Composition, Crit Reading, Thinking, & Writing	6
Quantitative Skills		
CTQR 150 or MATH 105 or 201 or a MATH course with 201 as a prerequisite		3
Technology	Met by major	0
Oral Communication		
SPCH 201	Public Speaking	3
Logic/Language/Semiotics		
Foreign Language		3-4†
Skills for a Common Experience and Thinking Across Disciplines		
GNED 102	The Human Experience: Who Am I?	3
Global Perspectives	See list of approved courses	3
Historical Perspectives		
HIST 212 or 308 or 507 or 509		3
Developing Critical Skills and Applying them to Disciplines		
Social Science		
PSYC 101, ECON 215	See approved list Gen Psyc, Prin of Microecon	0-3* 6
Humanities and Arts		
	See approved list; 3 may be met in major	6-9*
*Must have 9 hours in these two categories.		
Natural Science		
	See approved list. 2 categories; one must have a lab	7
Intensive Writing		
	See approved list; may be met by other requirement	0-3
Constitution Requirement		
	See approved list; may be met by other requirement	0-3
Subtotal		47-54
Requirement in Major		
IMCO 105, 475	Intro to Integ Mktg Comm, Seminar in IMC	4
MCOM 241, 341, 370, 410, 461 or 462 or 463, 499		14-16
6 hours from MCOM 333, 346, 349, 471, and one MCOM elective		9
ACCT 280; BADM 411; MKTG 380, 381, 481, 482; MGMT 321		21
ARTS 305 or 310 or 311 or VCOM 222 or 251 or 258		3
QMTH 205 and 206	Applied Statistics I & II	6
CSCI 101	Intro to Comp & Information Processing	3
Subtotal		60-62
Foreign Language Requirement		
		0-4
General Electives		
		4-17
Total Semester Hours		124

†Students completing the required program for the B.S. degree in Integrated Marketing Communication must demonstrate proficiency in a foreign language at or above the second semester college level. This requirement may be met by a satisfactory score of a recognized examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

Within the 124 semester hours required for this degree, the student must also include a minimum of 40 semester hours numbered above 299. 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.

MATHEMATICS**Faculty****Professors**

Gary T. Brooks, *Chair*
 Ronnie C. Goolsby
 Thomas W. Polaski
 Danny W. Turner

Associate Professors

Heakyung Lee

Assistant Professors

Carlos E. Caballero
 Beth G. Costner
 Frank B. Pullano
 Dawn Strickland
 Meredith Tomlinson
 Arthur Vartanian

Instructors

Nanette Altman
 Iris Coleman
 Ovid Mentore
 Marion Setien
 Rudolph Wiegand

Bachelor of Arts in Mathematics

This degree program is designed for students who wish to major in mathematics as liberal arts students or for students wishing to pursue careers as mathematics teachers. Students who expect to become professional mathematicians or to do graduate work in mathematics should select the Bachelor of Science in mathematics program.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
Logic/Language/Semiotics		
Foreign Language		3-4†
Oral Communication		
	See approved list	0-3
Technology		
	Met in major by CSCI 151	0
Skills for a Common Experience and Thinking Across Disciplines		
GNEC 102	The Human Experience: Who Am I?	3
Global Perspectives		
	See approved list	3
Historical Perspectives		
	See approved list	3
Developing Critical Skills and Applying them to Disciplines		
Natural Science		
	See approved list; must include courses from 2 categories and one lab course	7
Social Science		
	See approved list; must include 2 designators	6-9*
Humanities and Arts		
	See approved list; must include 2 designators	6-9*
*Must have a total of 15 hours in these two categories.		
Intensive Writing		
	See approved list	3
Constitution Requirement		
	See approved list; may be met by other requirements	0-3
Subtotal		44-51
Requirements in the Major		
MATH 201, 202, 300, 301, 302, 351, 375, 522, 541		27
Select 9 additional hours from MATH courses above 300		9
CSCI 151, 207	Overview of Comp Sci, Intro to Comp Sci I	7
MAED 200	Intro to Mathematica	1
Subtotal		44
Requirements in the Minor		15-24
Foreign Language Requirement		0-4
General Electives		1-21
Total		124

†Students completing the required program for the BA degree in mathematics 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 examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

The student must attain a cumulative GPA of 2.0 or better in courses taken at Winthrop and included in the 44 semester hours of the required program. The student must complete a minimum of 12 semester hours of MATH courses in residence at Winthrop University. In addition to the 44 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 124 hours required for this degree, the student must also include a minimum of 40 hours in courses numbered above 299. No more than three hours of Cooperative Education Experience can count toward the major. Students desiring certification as teachers of mathematics should consult the specific program requirements listed in the next section.

Bachelor of Arts in Mathematics - Certification as Secondary School Teacher

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
Met by major		
Logic/Language/Semiotics		
Foreign Language		
		3-4†
Oral Communication		
Met by major		
		0
Technology		
Met in major by CSCI 151		
		0
Skills for a Common Experience and Thinking Across Disciplines		
GNED 102	The Human Experience: Who Am I?	3
Global Perspectives*		
See approved list		
		3
Historical Perspectives*		
See approved list		
		3
Developing Critical Skills and Applying them to Disciplines		
Natural Science		
		7
Lab science in life sciences		
Lab science in earth or physical science		
Social Science		
See approved list; must include 2 designators		
		6-9**
Humanities and Arts		
See approved list; must include 2 designators		
		6-9*
*Must have a total of 15 hours in these two categories.		
Intensive Writing		
Met by major		
		0
Constitution Requirement		
See approved list; may be met by other requirements		
		0-3
Subtotal		41-45
Requirements in Major		
MATH 201, 202, 300, 301, 302, 351, 375, 522, 541		
		27
MATH 542, 545, or 546		
	Statistics	3
MATH 520, MAED 548		
	Found of Geom, Sec Math Cur & Ped Issues	6
CSCI 151, 207		
	Overview of Comp Sci, Intro to Comp Sci I	7
MAED 200		
	Intro to Mathematica	1
Subtotal		44
Professional Education Sequence		
EDUC 110, 210, 250, 275, 310, 390, 475, 490***		
		29
MAED 391, 392		
	Prin of Teaching Math, Field Exp in Teach Math	4
Subtotal		33
Foreign Language Requirement		
		0-4
General Electives		
		0-6
Total		124-126

†Students completing the required program for the BA degree in mathematics 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 examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be counted in the Logic/Language/Semiotics Area.

* Teacher education students must select one course from Multi-Cultural Perspectives.

*** A grade of C or better is required in EDUC 110, 210, 250, 275, 310, and 390.

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. **The PRAXIS II Series is required prior to graduation:** 1) Subject Assessment/Specialty Area Tests and 2) Principles of Learning and Teaching (PLT) Test.

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 43 semester hours of the required program. The student must complete a minimum of 12 semester hours of MATH courses in residence at Winthrop University. Within the 124-126 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299. No more than three hours of cooperative education experience can count toward the major.

Bachelor of Science in Mathematics

This degree program is designed for students whose career goals require a strong, comprehensive preparation in mathematics. Such careers include engineering, physics, computer technology and other areas of the sciences. Students pursuing careers as professional mathematicians and those who expect to do graduate work in mathematics are advised to choose this program for their undergraduate major in mathematics.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
	Met by major	0
Logic/Language/Semiotics		
Foreign Language		3-4†
Oral Communication		
	See approved list	0-3
Technology		
	Met in major by CSCI 151	0
Skills for a Common Experience and Thinking Across Disciplines		
GNED 102	The Human Experience: Who Am I?	3
Global Perspectives		
	See approved list	3
Historical Perspectives		
	See approved list	3
Developing Critical Skills and Applying them to Disciplines		
Natural Science --See approved list; must include a course from the life or earth sciences; lab science requirement met by PHYS 211		3
Social Science		6-9*
Humanities and Arts		6-9*
*Must have a total of 15 hours in these two categories.		
Intensive Writing		3
Constitution Requirement		0-3
Subtotal		40-47
Required Program		
MATH 201, 202, 300, 301, 302, 351, 375, 522, 541		27
MATH 509, 551, or 553		3
MATH 542, 543, 545, or 575		3
MATH 509, 542, 543, 545, 551, 553, or 575		3
MATH courses above 300		6
MAED 200	Intro to Mathematica	1
CSCI 151, 207, 208	Overview of Comp Sci, Intro to Comp Sci I& II	11
PHYS 211	Physics with Calculus I	4
Subtotal		58
Foreign Language Requirement		0-4
General Electives		15-26
Total		124

†Students completing the required program for the BS degree in mathematics 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 examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be counted in the Logic/Language/Semiotics Area.

The student must attain a cumulative grade-point average of 2.0 or better in courses taken at Winthrop and included in the 64 hours of the required program. The student must complete a minimum of 12 semester hours of MATH courses in residence at Winthrop University. Within the 124 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299. No more than three hours of Cooperative Education Experience can count toward the major.

Bachelor of Science in Mathematics - Certification as Secondary School Teacher

Students desiring certification as teachers of mathematics should consult with the department's teacher certification adviser 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
Critical Skills		
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
Logic/Language/Semiotics		
Foreign Language	See additional requirements in major	3-4†
Oral Communication	Met by major by MAED 391	0
Technology	Met by major by EDUC 275	0
Skills for a Common Experience and Thinking Across Disciplines		
GNEC 102	The Human Experience: Who Am I?	3
Global Perspectives*	See approved list	3
Historical Perspectives*	See approved list	3
Developing Critical Skills and Applying them to Disciplines		
Natural Science (met in major by biological lab science and PHYS 211)		0
Social Science	See approved list; must include 2 designators	6-9**
Humanities and Arts	See approved list; must include 2 designators	6-9*
*Must have a total of 15 hours in these two categories.		
Intensive Writing	Met by major by MAED 548	0
Constitution Requirement	See approved list	0-3
Subtotal		35-38
Requirements in Major		
MATH 201, 202, 300, 301, 302, 351, 375, 522, 541		27
MATH 509, 551, or 553		3
MATH 542 or 545	Probability & Stats II, Stat Theory & Methods II	3
MATH 509, 542, 543, 545, 551, 553, or 575		3
MATH 520, MAED 548	Foundations of Geom, Sec Math Curriculum	6
MAED 200	Intro to Mathematica	1
CSCI 151, 207, 208	Overview of Comp Sci, Intro to Comp Sci I& II	11
PHYS 211	Physics with Calculus I	4
Lab Science in life science		3
Subtotal		61
Professional Education Sequence		
EDUC 110, 210, 250, 275, 310, 390, 475, 490***		29
MAED 391, 392	Prin of Teaching Math, Field Exp in Teach Math	4
Subtotal		33
Foreign Language Requirement		0-4
Total		129-136

† Students completing the required program for the BS degree in mathematics 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 examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be counted in the Logic/Language/Semiotics Area.

* Teacher education students must select one course from Multi-Cultural Perspectives.

*** A grade of C or better is required in EDUC 110, 210, 250, 275, 310, and 390.

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 Student Academic Services in the College of Education. **The PRAXIS II Series is required prior to graduation:** 1) Subject Assessment/Specialty Area Tests and 2) Principles of Learning and Teaching (PLT) Test.

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 GPA in the 61 hours of the required program. The student must complete a minimum of 12 semester hours of MATH courses in residence at Winthrop University. Within the 128-136 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299 and complete PLSC 201 or ECON 103 or HIST 211 and 212. No more than three hours of Cooperative Education Experience can count toward the major.

COLLEGE OF ARTS & SCIENCES--MODERN LANGUAGES
MODERN LANGUAGES

Faculty

Professors

Donald Flanell Friedman

Associate Professors

Barbara Esquival-Heinemann

Cecile Leung

Pedro M. Muñoz

Instructors

Eva Molnar

Lecturers

Steve Cansler

Adelheid Carpenter

Natasha L. Carrillo

Guillermo I. Castillo-Feliú, *Professor Emeritus*

Catherine D'Agostino

Elizabeth Diaz

Jake Greene

Darlene Hegel

Shelia Hill-Carter

Jane B. Hudson

Nan S. Landsman

Robert Lucas

Sandra Ovalles

Claudia H. Priest

Charlene G. Rodriguez

Deann M. Segal

Tom Shealy, *Professor Emeritus*

Jialin Shen

Martine Simmons

Melissa Sisk

Victoria Uricoechea

Victoria Weir

Bachelor of Arts in Modern Languages

The Department of Modern and Classical Languages offers a BA in Modern Languages with two specializations, Spanish and French. Students majoring in foreign language have gone on to graduate school in advanced language study or international business, have entered the teaching profession, or have obtained positions in translation services and bilingual capacities in business and industry and in travel agencies.

The beginning courses (101-102), or the equivalent, are prerequisites for all other courses; however, they may not be applied toward fulfillment of the required program in any language. Beginning courses (101-102) in another language may be applied to the six hours required in the second language.

Bachelor of Arts in Modern Languages – French

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
CTQR 150 or MATH 105 or 201 or a MATH course with 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language	Met by major	0
CSCI, PHIL 220 OR 225, SPCH 201, MATH QMTH		3
Oral Communication	See approved list; may be met by another req	0-3
Technology	See approved list ; may be met by another req	0-3
Skills for a Common Experience and Thinking Across Disciplines		
GNEB 102	The Human Experience: Who Am I?	3
Global Perspectives		
GEOG 103 or GEOG 104	Geog of Third World, Geog of Indus Nations	3
Historical Perspectives	See approved list	3
Developing Critical Skills Applying them to Disciplines		
Natural Science	See approved list; select from 2 categories and one must be a lab science	7
Social Science	See approved list; select from 2 designators	6-9*
Humanities and Arts	See approved list; select from 2 designators	6-9*
*A total of 15 semester hours must be taken from these two categories.		
Intensive Writing	See approved list; may be met by other requirement	0-3
Constitution Requirement	See approved list; may be met by other requirement	0-3
Subtotal		44-56
Requirements in Major		
FREN 201, 202, 250, 301, 310, 401, 499		20
FREN electives above 202 (excluding 575; may include MLAN 330A or 530A)		7
FREN 500-level electives		3
Second Foreign Language (excluding 575)		6-8

Subtotal	36-38
Requirements in Minor	15-24
General Electives	6-29
Total	124

Bachelor of Arts in Modern Languages – Spanish

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
CTQR 150 or MATH 105 or 201 or a MATH course with 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language	Met by major	0
CSCI, PHIL 220 OR 225, SPCH 201, MATH QMTH		3
Oral Communication	See approved list; may be met by another req	0-3
Technology	See approved list; may be met by another req	0-3
Skills for a Common Experience and Thinking Across Disciplines		
GNEC 102	The Human Experience: Who Am I?	3
Global Perspectives		
GEOG 103 or GEOG 104	Geog of Third World, Geog of Indus Nations	3
Historical Perspectives		
HIST 351 or HIST 352	Latin Am Hist, Hist of US-Latin Am Relations	3
Developing Critical Skills applying them to Disciplines		
Natural Science --See approved list; select from 2 categories and one must be a lab science)		7
Social Science	See approved list; select from 2 designators	6-9*
Humanities and Arts	See approved list; select from 2 designators	6-9*
*A total of 15 semester hours must be taken from these two categories.		
Intensive Writing	See approved list; may be met by other requirement	0-3
Constitution Requirement	See approved list; may be met by other requirement	0-3
Subtotal		44-56
Requirements in Major		
SPAN 201, 202, 250, 301 or 302, 310, 401, 499		20
SPAN electives (above 202, excluding 575, may include MLAN 330B or 530B; must include at least three hours at the 500-level)		10
Second Foreign Language		6-8
Subtotal		36-38
Requirements for Minor		15-24
General Electives (15 sem hours of study abroad in a Spanish Speaking country recommended)		6-29
Total		124

A competency exam on the basic skills may be administered to all majors, minors and any interested students after completion of the intermediate sequence (201, 202, 250). The exam is diagnostic, and remedial work, if needed, will be recommended.

Students should enroll in 499 and will be tested individually, after completion of 18 semester hours above 102, usually no later than the second semester of the junior year, and before enrollment in any 500-level course. 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. 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 124 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299. No more than three hours of Cooperative Education Experience can count toward the major.

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

Students desiring Certification as teachers of French or 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
Critical Skills		
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
CTQR 150 or MATH 105 or 201 or a MATH course with 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language	Met by major	0
CSCI, PHIL 220-225, SPCH 201, MATH, QMTH		3
Oral Communication		
Technology	Met by major	0
Skills for a Common Experience and Thinking across Disciplines		
GNED 102	The Human Experience: Who Am I?	3
Global Perspectives	Met by major	0
Historical Perspectives	See approved list	3
Developing Critical Skills Applying them to Disciplines		
Natural Science		
Laboratory science in life sciences		7
Laboratory science in earth or physical sciences		
Social Science	See approved list; must include 2 designators	6-9**
Humanities and Arts	Select at least 2 courses from 2 different subj areas	6-9**
**A total of 15 hours must be taken from these two areas.		
Intensive Writing	See approved list; may be met by other requirement	0-3
Constitution Requirement	See approved list; may be met by other requirement	0-3
Subtotal		41-47
Requirement in Major		
Either FREN or SPAN 201, 202, 250, 301 or 302, 310, 401, 499		20
Select courses from FREN or SPAN above 202 to include at least 3 hours at the 500 level		10
Electives in a second foreign language (excluding 575)		6-8
Professional Education Sequence		
EDUC 110*, 210*, 250*, 275*, 310*~, 390*~, 475~, 490~		29
MLAN 391~, 392~	Prin of Teach and Field Exp in Teach Mod Lang	4
General Electives		6-14
Total		124

*A grade of C or better must be earned and may not be taken for S/U credit.

~Restricted to students admitted to the Teacher Education Program.

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 Profession Stage, and Program Completion. For information on these requirements, consult the Student Academic Services in the Richard W. Riley College of Education.

The PRAXIS II Series is required prior to graduation: 1) Subject Assessment/Specialty Area Tests and 2) Principles of Learning and Teaching (PLT) Test.

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 hours of the required program. The student must complete a minimum of 12 semester hours in the major in residence at Winthrop University. Within the 124 semester hours required for the BA degree, the student must also include a minimum of 40 semester hours in courses numbered above 299. No more than three hours of Cooperative Education Experience can count toward the major.

PHILOSOPHY AND RELIGIOUS STUDIES**Faculty****Professor**Houston A. Craighead, *Chair***Professor Emeritus**

William W. Daniel

Assistant Professors

Peter J. Judge

David Meeler

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.

The major program requires a total of 33 semester hours, including a required program of 18 hours and selection of 15 hours from one of three tracks.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
CTQR 150 or MATH 105 or 201 or a MATH course with 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language		3-4†
PHIL 220 or 225	Met by major requirements	0
Oral Communication	See approved list; may be met by another req	0-3
Technology	See approved list; may be met by another req	0-3
Skills for a Common Experience and Thinking Across Disciplines		
GNEB 102	The Human Experience: Who Am I?	3
Global Perspectives	Met by major requirements	0
Historical Perspectives	Met by major requirements	0
Developing Critical Skills Applying them to Disciplines		
Natural Science	Select from 2 categories and one must be a lab science	7
Social Science	See approved list; must include 2 designators	6
Humanities and Arts	Met in major	0
Intensive Writing	Met in major	0
Constitution Requirement	See approved list	3
Subtotal		32-39
Requirements in Major		
PHIL 201	Intro to Basic Issues In Philosophy	3
RELG 201	Intro to Religious Studies	3
PHIL 300	Hist of Phil from Plato to Modern Age	3
RELG 300	Comparative Religion	3
PHIL 220 or 225	Logic & Language, Symbolic Logic	3
PHIL 495 or RELG 495	Meth & Research Seminar in Philosophy/Religion	3
Select from one of three tracks:		
Philosophy Track		
PHIL 230 or 315	Intro to Ethics, Hist Develop in Moral Reasoning	3
PHIL 303 or 310	Existentialism, Theories of Knowledge	3
Elect from other PHIL courses above 299 (excluding PHIL 320 and 340)		9
Religious Studies Track		
RELG 313, 314, 320	Intro to Old Test, New Test, Religion in America	9
PHIL 390	Philosophy of Religion	3
Elect from other PHIL or RELG courses (excluding PHIL 320 and 340)		3
Combined Track		
Elect from PHIL or RELG courses to include at least three hours above 299 from each (excluding PHIL 320 and 340)		15
Foreign Language		
		0-4

Requirements in the Minor	15-24
General Electives	24-44
Total	124

†Students completing the required program for the BA degree in Philosophy and Religious Studies 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 examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be counted in the Logic/Language/Semiotics Area.

The student must attain a cumulative grade-point average of 2.00 or better in courses taken at Winthrop and included in the 33 semester hours of the required program. The student must complete a minimum of 12 semester hours of PHIL and/or RELG courses in residence at Winthrop University. In addition to the 33 semester hours of the required programs, the student must select and complete a minor, attaining no less than a 2.0 GPA in the minor. Within the 124 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299.

POLITICAL SCIENCE

Faculty

Professors

Stephen S. Smith
Melford A. Wilson, Jr.

Associate Professors

Timothy S. Boylan
Karen M. Kedrowski, *Chair*
Christopher Van Aller

Assistant Professors

Adolphus G. Belk, Jr.
Jennifer Leigh Disney
Scott Huffmon
Michael Lipscomb

Lecturers

Debra Dahlin
James R. Fitzpatrick, Jr.
Elaine Lange
Katarina Moyon
David Vehaun

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 and national organizations as well as the United Nations. 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
Critical Skills		
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
CTQR 150 or MATH 105 or 201 or a MATH course with 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language		3-4†
CSCI, PHIL 220 or 225, SPCH 201, MATH, QMTH		3
Oral Communication	May be met in major	0-3
Technology	See approved list; may be met by another req	0-3
Skills for a Common Experience and Thinking Across Disciplines		
GNED 102	The Human Experience: Who Am I?	3
Global Perspectives	Met by major requirements	0
Historical Perspectives	See approved list	3
Developing Critical Skills Applying them to Disciplines		
Natural Science	Select from 2 categories and one must be a lab science	7
Social Science	3-6 met in major, 3-6 from other designators	3-6*
Humanities and Arts	3 may be met in major, 3-6 from other designators)	6-9*

*a total of 12 semester hours from these two categories must be taken

Intensive Writing	May be met in major	0-3
Constitution Requirement	Met in major by PLSC 201	0
Subtotal		41-51
Required Program		
PLSC 201	American Government	3
American Government		
Select from PLSC 202, 302, 305, 306, 307, 310, 311, 312, 313, 314, 315, 317, 371, or 518		3
Comparative Government and International Relations		
Select from PLSC 205, 207, 260, 335, 336, 337, 338, 345, 504, 505, 506, 508 or 532		3
Political Theory		
Select from PLSC 351, 352, 355, 356, 551 or 553		3
Public Administration		
Select from PLSC 220, 320, 321, 325, 512 or 524H		3
PLSC electives		15
Subtotal		30
Foreign Language Requirement		0-4
Requirements in the Minor		15-24
General Electives		15-38
Total		124

†Students completing the required program for the BA degree in Political Science 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 examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be counted in the Logic/Language/Semiotics Area.

The student must attain a cumulative grade-point average of 2.0 or better in courses taken at Winthrop and included in the 30 semester hours of the required program. The student must complete a minimum of 12 semester hours of PLSC courses in residence at Winthrop University. In addition to the 30 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 124 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299.

Bachelor of Arts in Political Science Certification as Secondary School Teacher for Social Studies

Students desiring Certification as teachers of social studies should consult with the social studies teacher certification adviser 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
Critical Skills		
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
CTQR 150 or MATH 105 or 201 or a MATH course with 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language		3-4†
CSCI, PHIL 220 or 225, SPCH 201, MATH, QMTH		3
Oral Communication	May be met in major	0-3
Technology	Met in major	0
Skills for a Common Experience and Thinking Across Disciplines		
GNEP 102	The Human Experience: Who Am I?	3
Global Perspectives	Met in major	0
Historical Perspective	Met in major	0
Developing Critical Skills/Applying them to Disciplines		
Natural Science		7
Laboratory science in life science		
Laboratory science in earth or physical science		
Social Science	Met in major	0
Humanities and Arts	3 hours met in major; remaining 3 from second designator on approved list	3
Intensive Writing	See approved list; may be met in major	0-3
Constitution Requirement	Met in major by PLSC 201	0
Subtotal		29-36

COLLEGE OF ARTS & SCIENCES--POLITICAL SCIENCE

Requirements in Major		
PLSC 201	American Government	3
	ANTH 201; ECON 215, 216; GEOG 101; GEOG 103, 104, or 306; HIST 101, 102, 211, 212; SOCL 101	30
American Government		
	Select from PLSC 202, 302, 305, 306, 307, 310, 311, 312, 313, 314, 315, 317, 371 or 518	3
Comparative Government and International Relations		
	Select from PLSC 205, 207, 260, 335, 336, 337, 338, 345, 504, 505, 506, 508 or 532	3
Political Theory		
	Select from PLSC 351, 352, 355, 356, 551 or 553	3
Public Administration		
	Select from PLSC 220, 320, 321, 325, 512, or 524H	3
PLSC electives		15
Subtotal		60
Professional Education Sequence:		
	EDUC 110, 210, 250, 275, 310, 390, 475, 490; SCST 391-392	33*
Foreign Language Requirement		0-4
General Electives		0-2
Total		124-133

†Students completing the required program for the BA degree in Political Science 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 examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be counted in the Logic/Language/Semiotics Area.

* A grade of C or better is required in EDUC 110, 210, 250, 275, 310, and 390.

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.

The PRAXIS II Series is required prior to graduation: 1) Subject Assessment/Specialty Area Tests and 2) Principles of Learning and Teaching (PLT) Test.

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 60 semester hours of the required program. The student must complete a minimum of 12 semester hours of PLSC courses in residence at Winthrop University. Within the 124-133 semester hours required for the BA degree, the student must include a minimum of 40 hours in courses numbered above 299.

**Bachelor of Arts in Political Science
Concentration in Public Policy and Administration**

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
CTQR 150 or MATH 105 or 201 or a MATH course with 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language		3-4†
CSCI 101	Intro to Comp & Info Processing	3
Oral Communication	May be met in major	0-3
Technology	Met by major	0
Skills for a Common Experience and Thinking Across Disciplines		
GNED 102	The Human Experience: Who Am I?	3
Global Perspectives	Met by major	0
Historical Perspectives	See approved list	3
Developing Critical Skills/Applying them to Disciplines		
Natural Science	Select from 2 categories and one must be a lab science	7
Social Science	Met by major	0
ECON 216	Macroeconomics	3
Humanities and Arts	3 may be met in major, 3-6 from another designator	3-6
Intensive Writing	Met in major by PLSC 350	0
Constitution Requirement	Met in major by PLSC 201	0
Subtotal		35-41

Required Program	
PLSC 201, 202, 220, 321, 350, 473	18
Select from PLSC 302, 315, 320, 325, 512, or 524H	3
Comparative Government and International Relations	
Select from PLSC 205, 207, 260, 335, 336, 337, 338, 345, 504, 505, 506, 508 or 532	3
Political Theory	
Select from PLSC 351, 352, 355, 356, 551 or 553	3
PLSC electives	3
Foreign Language Requirement	0-4
Requirements for Minor	15-24
General Electives	25-44
Total	124

†Students completing the required program for the BA degree in Political Science with a concentration in Public Policy and Administration 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 examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be counted in the Logic/Language/Semiotics Area.

The student must attain a cumulative grade-point average of 2.0 or better in courses taken at Winthrop and included in the 30 semester hours of the required program. The student must complete a minimum of 12 semester hours of PLSC courses in residence at Winthrop University. In addition to the 30 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 124 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299.

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-Engineering Dual-Degree Program

Advisor: Dr. Mesgun Sebhatu

In 2002, a formal agreement was signed with Clemson University establishing a dual-degree Pre-Engineering program. Admitted students will spend three years at Winthrop, followed by two years at Clemson. Upon completion of the curriculum, students will be awarded a math or science degree from Winthrop University and an engineering degree from Clemson University.

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. The Pre-Engineering program at Winthrop provides an opportunity to take these courses in a setting characterized by small classes, individual faculty attention, and access to modern instrumentation. A science or math degree also provides a solid academic foundation that is ideal preparation for professional development in engineering.

The new chemistry degree will provide students an early opportunity to participate in this dual-degree program. Chemistry is increasingly tied to engineering--particularly in the emerging fields of nanotechnology, biomedical engineering, ceramics, polymers, chemicals, environmental, materials, and biotechnology.

Engineering Degrees Available at Clemson University

Chemical Engineering	Ceramics and Materials Engineering
Electrical Engineering	Environmental Engineering
Civil Engineering	Mechanical Engineering
Biosystems Engineering	Textiles, Fiber and Polymer Science
Industrial Engineering	

Required Pre-Engineering Program

		Semester Hours
ACAD 101	Principles of the Learning Academy	1
WRIT 101, GNED 102	Composition, The Human Experience	6
CHEM 105-107, 106-108	Gen Chemistry I & II	8
CHEM 301-304	Organic Chemistry I & II	0-8
MATH 201, 202, 300, 302, 305, QMTH 205		18

COLLEGE OF ARTS & SCIENCES--PRE-PROFESSIONAL PROGRAMS		
PHYS 211-211L, PHYS 212-212L	Physics with Calculus I & II	8
WRIT 566	Tech & Scientific Writing	3
SPCH 201	Public Speaking	3
Social Science pair--2 courses in a single subject (ECON, HIST, PSYC, PLSC, or SOCL)		6
Humanity or Social Science Electives		6
Engineering Problem Solving and Design (ENGR 120)		3
Introduction to Engineering (ENGR 101)		1

Engineering Courses Recommended to be Taken Before Transfer to Clemson:

(For course descriptions and information on summer sessions at Clemson, visit www.clemson.edu.)

Intended Curriculum	Clemson Course Number
Biological Engineering	EM 201, EM 202
Chemical Engineering	EM 201, ChE 211
Ceramic and Materials	CME 221, CME 225, CME 226
Civil Engineering	EM 201, CE 251
Electrical Engineering	ECE 201, ECE 202, CpSC 111
Industrial Engineering	EM 201, IE 201
Mechanical Engineering	EM 201, ME 202 or 203

Recommended Engineering Courses that can be Taken at Winthrop:	Semester Hours
CSCI 110, 207, 208	9
PHYS 315, 321, 331, 350	12

Pre-Medical

Advisory Committee: Dr. Dwight Dimaculangan, Dr. Julian Smith, Dr. James Johnston, Dr. Chasta Parker, Dr. Aaron Hartel, Dr. Laura Glasscock, Dr. Kristi Westover, Dr. Takita F. Sumter, and Dr. Janice Chism

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

Advisors: Dr. James Johnston, Dr. Aaron Hartel, Dr. Chasta Parker, Dr. Takita F. Sumter, and Dr. Julian Smith

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 Medical University of South Carolina include 8 hours of general chemistry, 8 hours of organic chemistry, 6 hours of physics, 6 hours of mathematics (at least 3 of which must be calculus), 3 hours of statistics, 8 hours of biology, 4 hours of microbiology, 9 hours of social sciences, 6 hours of English composition and literature and 3 hours of economics, psychology and interpersonal communication. The most important requirement is that students maintain a B+ average on all science courses.

Pre-Dental

Advisors: Dr. Julian Smith, Dr. Lee Anne Cope, Dr. Chasta Parker, Dr. Aaron Hartel, Dr. Takita F. Sumter, and Dr. James Johnston

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-Veterinary

Advisors: Dr. Julian Smith, Dr. Lee Anne Cope, Dr. Chasta Parker, Dr. Aaron Hartel, Dr. Takita F. Sumter, and Dr. James Johnston

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 advisor.

Pre-Physical Therapy

Advisors: Dr. James Johnston, Dr. Janice Chism, and Dr. Lee Anne Cope

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.

Other Pre-Professional Health Studies

Advisor: Dr. James Johnston

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

Pre-Law

Advisor: Dr. Tim Boylan

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 advisor 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 the Pre-Law Handbook (<http://www.winthrop.edu/plsc/prelaw.htm>).

Other Programs

Some students enroll at Winthrop for two to three years and then transfer to institutions offering professional programs in such fields as forestry, hospital administration, laboratory technology, library science, occupational therapy, optometry, pharmacy, public health and radiological technology.

PSYCHOLOGY

Faculty

Professors

Melvin Goldstein, *Chair*
 Heidar A. Modaresi
 Joseph S. Prus

Associate Professors

Gary L. Alderman
 Tim Daugherty
 Cheryl Fortner-Wood
 Kathy A. Lyon
 Antigo D. Martin-Delaney
 Donna Nelson
 Jeff Sinn

Assistant Professors

Leigh Armistead
 Jane Rankin
 Darren Ritzer
 Kwabena Sankofa
 David Sleeth-Keppler
 Merry Sleight

Instructor

Lois J. Veronen

Bachelor of Arts in Psychology

The Psychology Major continues to be one of the most popular academic disciplines because the broad-based curriculum helps students 1) think scientifically, 2) appreciate and respect others, 3) communicate clearly, and 4) use technology and knowledge sources effectively. Graduates with a degree in Psychology are well prepared to make the transition to meaningful employment in many areas, including business and social service agencies. They have also been successful in pursuing advanced education within our own discipline, as well as others such as law, medicine, and social work. Students majoring in psychology take PSYC 101, 198 and CTQR 150 in their freshman year; CRTW 201, PSYC 301-302, 306 or 307 in their sophomore year, and PSYC 498 in their senior year. Psychology majors must take PSYC 301-302 before enrolling in any other upper-division psychology courses.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
CTQR 150 or MATH 105, 201 or a MATH course with 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language		3-4†
CSCI, PHIL 220 or 225, SPCH 201, MATH, QMTH		3
Oral Communication	See approved list; may be met by another req	0-3
Technology	See approved list; may be met by another req	0-3
Skills for a Common Experience and Thinking Across Disciplines		
GNED 102	The Human Experience: Who Am I?	3
Global Perspectives	See approved list	3
Historical Perspectives	See approved list	3
Developing Critical Skills: Applying them to Disciplines		
Natural Science	Select from 2 categories and one must be a lab science	7
Social Science	3 met in major, 3-6 from another designator	3-6*
Humanities and Arts	See approved list	6-9*
*a total of 12 semester hours from these two groups must be taken		
Intensive Writing	Met by major	0
Constitution Requirement	See approved list; may be met by other requirement	0-3
Subtotal		44-54
Requirements in Major		
Foundations--PSYC 101, 198	Gen Psychology, Psyc as Discipline & Profes	4
Experimental Sequence--PSYC 301, 302	Research I & II	8
Senior Integrative Seminar--PSYC 498		3
Developmental--PSYC 306 or 307	Childhood, Adulthood	3
Fundamental Processes: PSYC 505 or 508 or 509		3
Complex Processes: PSYC 503 or 507 or 514		3
Applications: PSYC 506 or 510 or 516	Psyc Meas, Behav Analysis, Indus/Organ Psyc	3
PSYC Electives (courses numbered above 299)		9
Subtotal		36

Foreign Language Requirement	0-4
Requirements in Minor	15-24
General Electives	6-29
Total	124

†Students completing the required program for the BA degree in Psychology 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 or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be counted in the Logic/Language/Semiotics Area.

The student must attain a cumulative grade point average of 2.00 or better in courses taken at Winthrop and 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 124 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299.

Major Specific Notes:

- The student must attain a **grade of C or better** in **PSYC 101, 301 and 302**.
- The student must complete a minimum of 12 semester hours of PSYC courses in residence at Winthrop University. No more than three hours of Cooperative Education Experience or Academic Internship can count toward the major. **Not more than 36 semester hours in any one subject designator may apply to a Bachelor of Arts degree. A student may elect to apply up to 6 hours in the same subject designator toward general electives, general education distribution requirements, or a minor with the exception of the social sciences minor.**
- Students must complete the **Quantitative Skills requirement before beginning PSYC 301**.
- Students must complete **CRTW 201 before beginning PSYC 302**. Students who take PSYC 302 at Winthrop will receive credit for the Intensive Writing Component of the General Education requirements. Transfer credit for this course with intensive writing credit will be on a case-by-case basis.
- 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 or Biology majors with Psychology minors**, who have completed BIOL 300 with a grade of "C" or better, are not required to complete PSYC 302. **Dual majors** in Psychology and Biology should complete only one of the two required experimental courses (PSYC 302 or BIOL 300). Consult your adviser for an appropriate course.
- 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.

SOCIAL WORK

Faculty

Professors

Ronald K. Green, *Chair*
W. Martin Hope
Wilhelmenia Rembert

Lecturer

Neil R. Covington, *Professor Emeritus*

Associate Professors

Paul Dezendorf
Susan B. Lyman
Ameda A. Manetta
Janice G. Wells

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 emotionally disturbed children and adults. 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.

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General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
CTQR 150 or MATH 105, 201 or a MATH course with 201 as a prerequisite		3
Logic/Language/Semiotics	3 may be met in major by QMTH 205 or MATH 141	3-6
Oral Communication	See approved list; may be met by another req	0-3
Technology	Met in major requirements by CSCI 101	0
Skills for a Common Experience & Thinking Across Disciplines		
GNED 102	The Human Experience: Who Am I?	3
Global Perspectives	See approved list	3
Historical Perspectives	See approved list	3
Developing Critical Skills Applying them to Disciplines		
Natural Science	Lab course with 2nd designator; 3 met in major	4
Social Science	Met in major	0
Humanities & Arts	See approved list; must include 2 designators	6
Intensive Writing	Met in major	0
Constitution Requirement	Met in major	0
Subtotal		35-38
Requirements in the Major		
ANTH 201	Cultural Anthropology	3
CSCI 101	Intro to Comp & Info Processing	3
ECON 103	Introduction to Political Economy	3
MATH 141 or SOCL 316 or QMTH 205	Statistics	3-4
PLSC 201	American Government	3
PSYC 101	General Psychology	3
SCIE 301	Biology of Aging	3
SCWK 200/201, 305, 306, 321, 330, 395, 432, 433, 434, 443, 463		42
SCWK electives (not to include SCWK 202)		6
SOCL 201	Principles of Sociology	3
Subtotal		72-73
General Electives		13-20
Total Semester Hours		124

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 395, 432, 433 and 434 - students must formally apply for admittance to SCWK 395. This process includes students providing a description of how they have met the requirement for 80 hours of voluntary or paid experience in a human service organization, and a demonstration that they have 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 434, including passing courses SCWK 200 through SCWK 434 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, a GPA of 2.40 in all social work courses, and have passed all social work courses with a grade of C or better.

The student must complete a minimum of 12 semester hours of SCWK courses in residence at Winthrop University and have a minimum of 40 semester hours in courses numbered above 299. No more than three hours of Cooperative Education Experience can count toward the major.

Students enrolled in the Certificate Program in Gerontology may substitute 3 hours of the required SCWK 443 field placement in an agency serving older adults for GRNT 440.

SOCIOLOGY and ANTHROPOLOGY**Faculty****Professors**

Douglas L. Eckberg, *Chair*
 April A. Gordon
 Jonathan I. Marx
 Jennifer Solomon
 C. Jack Tucker

Assistant Professors

Richard Chacon
 M. Kelly James

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
Critical Skills		
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
CTQR 150 or MATH 105, 201 or a MATH course with 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language		3-4†
CSCI, PHIL 220 or 225, SPCH 201, MATH, QMTH		3
Oral Communication	See approved list; may be met by another req	0-3
Technology	See approved list; may be met by another req	0-3
Skills for a Common Experience and Thinking Across Disciplines		
GNEC 102	The Human Experience: Who Am I?	3
Global Perspectives	See approved list	3
Historical Perspectives	See approved list	3
Developing Critical Skills & Applying them to Disciplines		
Natural Science	Select from 2 categories and one must be a lab science	7
Social Science	3-6 met in major, 3-6 from another designator	3-6*
Humanities and Arts	Must have at least two designators	6-9*
*Must have a total of 12 semester hours from these 2 categories)		
Intensive Writing	See approved list; may be met by other requirement	0-3
Constitution Requirement	See approved list; may be met by other requirement	0-3
Subtotal		44-57
Requirements in Major		
SOCL 101 or 201, and 316**, 498, 502, 516		15
Eighteen additional hours of SOCL, other than SOCL 340, or 463		18
Subtotal		33
Requirements in Minor		
Foreign Language Requirement		0-4
General Electives		6-32
Total		124

†Students completing the required program for the BA in Sociology 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 examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be counted in the Logic/Language/Semiotics Area.

**Students with double majors in Psychology and Sociology or with minors in Psychology may substitute PSYC 301 for SOCL 316 provided they complete an additional course in Sociology. Consult advisers for appropriate courses.

To be admitted into the program as a major, the student must complete SOCL 101 or 201 with the grade of C or higher. The student must attain a cumulative grade-point average of 2.0 or better in courses taken at Winthrop and included in the 33 semester hours of the required program. The student must complete a minimum of 12 semester hours of SOCL courses in residence at Winthrop University. Sociology majors are required to enroll in SOCL 315 the first semester after admission to the major, and they may not enroll in more than one SOCL course per semester (apart from SOCL 316 itself) until they meet the requirement.

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In addition to the 33 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 124 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299. Although not specifically required, students are strongly encouraged to take related courses in ANTH, ECON, HIST, MATH, PLSC and PSYC. No more than three hours of Cooperative Education Experience can count toward hours in the major.

**Bachelor of Arts in Sociology
Concentration in Criminology**

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
CTQR 150 or MATH 105, 201 or a MATH course with 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language		3-4†
CSCI, PHIL 220 or 225, SPCH 201, MATH, QMTH		3
Oral Communication		0-3
Technology		0-3
Skills for a Common Experience and Thinking Across Disciplines		
GNED 102	The Human Experience: Who Am I?	3
Global Perspectives		3
Historical Perspectives		3
Developing Critical Skills Applying them to Disciplines		
Natural Science --Select from two categories and one must be a lab science		7
Social Science		6 met in major
Humanities and Arts		Must have at least 2 subject designators
Must have a total of 9 hours in these two categories		6-9
Intensive Writing		See approved list; may be met by another req
Constitution Requirement		PLSC 201 recommended
Subtotal		44-54
Requirements in Major		
SOCL 101 or 201; 227, 316**, 325, 498, 502, and 516		21
SOCL 330, 335, 337, or 525		6
Six hours of SOCL other than courses listed above or SOCL 340, or 463		6
PLSC 310	The Judiciary	3
Subtotal		36
Requirements in Minor		15-24
Foreign Language		0-4
General Electives		6-29
Total		124

†Students completing the required program for the BA in Sociology 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 examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be counted in the Logic/Language/Semiotics Area.

**Students with double majors in Psychology and Sociology or with minors in Psychology may substitute PSYC 301 for SOCL 316 provided they complete an additional course in Sociology. Consult advisers for appropriate courses.

To be admitted into the program as a major, the student must complete SOCL 101 or 201 with the grade of C or higher. The student must attain a cumulative grade-point average of 2.0 or better in courses taken at Winthrop and included in the 36 semester hours of the required program. The student must complete a minimum of 12 semester hours of SOCL courses in residence at Winthrop University. Sociology majors are required to enroll in SOCL 315 the first semester after admission to the major, and they may not enroll in more than one SOCL course per semester (apart from SOCL 316 itself) until they meet the requirement.

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 124 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299. Although not specifically required, students are strongly encouraged to take related courses in ANTH, ECON, HIST, MATH, PLSC and PSYC. No more than three hours of Cooperative Education Experience can count toward hours in the major.

SPEECH**Faculty****Professor**Louis J. Rosso, *Chair***Lecturers**

Jeannie Jordan

Christa Kea

Instructor

Bonnye Stuart

Associate Professor

Anne E. Beard

Jackie Niedringhaus

Bachelor of Arts in General Communication Disorders

The Bachelor of Arts in General Communication Disorders provides pre-professional preparation in speech pathology. Students will receive instruction in the identification, diagnostic process, and therapeutic intervention of communication disorders including articulation, language, hearing, voice, and fluency. The program is designed to prepare students for graduate work leading to state and national certification and state licensure as a speech clinician.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
CTQR 150 or MATH 105, 201 or a MATH course with 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language		3-4†
CSCI, PHIL 220 or 225, SPCH 201, MATH, QMTH		3
Oral Communication		
Technology	Met by major	0
	See approved list; may be met by another req	0-3
Skills for a Common Experience and Thinking Across Disciplines		
GNED 102	The Human Experience: Who Am I?	3
Global Perspectives	See approved list	3
Historical Perspectives	See approved list	3
Developing Critical Skills Applying them to Disciplines		
Natural Science --Select from two categories and one must be a lab science		7
Social Science	See approved list; must include two designators	6-9*
Humanities and Arts	See approved list; must include two designators	6-9*
*A total of 15 semester hours from these two categories must be taken		
Intensive Writing	See approved list; may be met by other requirement	0-3
Constitution Requirement	See approved list; may be met by other requirement	0-3
Subtotal		47-57
Requirements in Major		
SPCH 203	Voice and Diction	3
SPCH 351	Intro to Communication Disorders	3
SPCH 352	Intro to Phonetics	3
SPCH 355	Anatomy & Physiology Speech & Hearing	3
SPCH 360	Articulation & Phonological Disorders	3
SPCH 410	Intro to Audiology	3
SPCH 425	Stuttering	3
SPCH 458	Language: Perspectives in Acquisition & Develop	3
SPCH 460	Princ of Speech Pathology	3
SPCH 465	Language Disorders	3
SPCH 469	Adult Aphasia & Related Lang Disorders	3
SPCH electives		3
Subtotal		36
Foreign Language Requirement		0-4
Requirements in Minor		15-24
General Electives		3-26
Total		124

†Students completing the required program for the BA in Communication Disorders 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

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examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be counted in the Logic/Language/Semiotics Area.

The student must attain a cumulative grade-point average of 2.0 or better in courses taken at Winthrop and included in the 36 semester hours of the required program. The student must complete a minimum of 12 semester hours of SPCH courses in residence at Winthrop University.

Majors must attain a GPA of 2.5 or better in SPCH 351, 352, and 355. Majors must have a GPA of 2.0 or better in SPCH 360, 410, 425, 458, 460, 465 and 469. Students are encouraged to repeat courses resulting in a grade of less than C in the above course sequence.

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 124 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299. No more than three hours of Cooperative Education Experience can count toward the major.