

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, Master of Social Work, and Specialist in School Psychology degrees with the following majors:

Bachelor of Arts Degree: English, environmental studies, general communication disorders, 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

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

Master of Liberal Arts Degree: liberal arts.

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

Master of Social Work

Specialist in School Psychology Degree

Minors for undergraduate degrees are offered through the College of Arts and Sciences in African American studies; anthropology; applied physics; biology; chemistry; English; environmental studies; French; general science; geography; geology; German; gerontology; history; human nutrition; international area studies; mathematics; philosophy; philosophy and religious studies; peace, justice, and conflict resolution studies; political science; psychology; religious studies; 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 in the College of Arts and Sciences who help resolve issues that pre-majors tend to encounter. Pre-major students who have completed 45 semester hours will not be permitted to register for courses until they have declared a major. The Pre-major Advising Center 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

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

Course taken at Winthrop with an earned grade of B or higher	Foreign Language Credit may be received for
French 102	FREN 101
French 201	FREN 101 and/or 102
German 102	GERM 101
German 201	GERM 101 and/or 102
Spanish 102	SPAN 101
Spanish 201	SPAN 101 and/or 102

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 students to 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 additional semester hours in the same subject designator toward general education distribution requirements, a minor, or general electives, 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 cannot minor in business.

Teacher Certification: Certification is available in the following areas: biology, English, French, mathematics, Spanish, and social studies. Social studies includes additional study in anthropology, economics, geography, history, political science and sociology. Students interested in social studies certification must follow the social studies certification track in the history or political science major. 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
Dwight D. Dimaculangan
James W. Johnston, *Chair*
Paula L. Mitchell
William Rogers

Associate Professors

Laura Glasscock
Peter C. Phillips
Julian Smith III
Kristi Westover

Assistant Professors

Heather Evans Anderson
Eric Birgbauer
Lee Anne Cope
Pravda Stoeva-Popova

Lecturers

Jack Bagwell
Julie Christopher
Peter Cumbie
Deborah R. Curry
Lockett V. Davis, *Professor Emeritus*
John Dillé, *Professor Emeritus*
Steven E. Fields
Jessica Hooks
Kristen Ledbetter
Janie Manning
Charles Neilson
Lynn Snyder
Jen Wearly
Silvia Wozniak
Almaz Yilma

Instructors

Cassie Bell
Kimberly Wilson

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 202, 203, 204 and 205 or 206, CHEM 105-106 and 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		
HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives	See approved list, p. 16	3
Historical Perspectives	See approved list, p. 16	3
Developing Critical Skills and Applying them to Disciplines		
Natural Science	Met by major requirements	0
Social Science	See approved list, p. 16; must include 2 designators	6-9*
Humanities and Arts	See approved list, p. 16; must include 2 designators	6-9*
	*Must take 15 hours from these two categories.	
Intensive Writing	Met by major requirements	0
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Subtotal		34-38
Requirements in Major		67
BIOL 202, 203, 204, 205, 206, 300, 480, 491, 492		19
BIOL Electives – select two courses from each of the following areas:		
(must include one laboratory course in each area)		14-16
Ecology, Evolution and Field Biology		
BIOL 303, 304, 323, 403, 404, 505, 508, 510, 511, 513, 515, 518, 524, 525, 527 and 560		
Cells, Genes and Developmental Biology		
BIOL 307, 308, 310, 315, 317/318, 321, 322, 507, 517, 519, 521, 522, 530 and 555		
Select additional courses to total 42 hours in BIOL from the above areas and/or the following		7-9
BIOL 340 (A, B, or C), 440, 450H, 461, 463, 471 and 540		
(Students must select at least one 500-level BIOL course)		
CHEM 105, 106, 108	General Chemistry I & II	8
MATH 150 or MATH 105 or 201 or any MATH course with 201 as a prerequisite		6
Mathematics, MATH 150, and Science Electives**		11**
Foreign Language Requirement		0- 4
General Electives		15-23
Total		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 Skills Area); CHEM (except 101, 340A, B, C, 461, 462, or 463); PHYS (except 101/102); 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 78.

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		
HMXP 102	The Human Experience: Who Am I?	3
Global/Multicultural Perspectives	See approved lists, p. 16.	3
Historical Perspectives	See approved list, p. 16.	3
Developing Critical Skills and Applying them to Disciplines		
Natural Science	Met by major requirements	0
Social Science	See approved list, p. 16; must include 2 designators	6-9*
Humanities and Arts	See approved list, p. 16; must include 2 designators	6-9*
*Must take 15 hours from these two categories.		
Intensive Writing	Met by major requirements	0
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Subtotal		34-38
Requirements in Major		68
BIOL 202, 203, 204, 205, 206, 300, 307, 308, 310, 315, 317, 318, 480, 491, 492, and 513		38
BIOL 304, 323, 403, 404, 505, 510, 511, 515 or 540**		4
CHEM 105, 106, and 108	General Chemistry I & II	8
MATH 150 and another MATH (excluding 291 and 292)		6
PHYS 201, 202 and GEOL 110 and 113	General Physics I & II; Physical Geology	12
Professional Education Sequence		33
EDUC 110, 210, 250, 275, 310, 390, 475, 490		29***
SCIE 391, 392		4
Foreign Language Requirement		0- 4
General Electives		0
Total		135-143

†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.

**BIOL 540 can only be used to satisfy this requirement when offered as Ecological Anthropology.

***A grade of C or better is required in EDUC 110, 210, 250, 275, 310, and 390, and they may not be taken on the S/U basis.

In addition to the requirements for their major, students must meet requirements for the Teacher Education Program, which include the requirements for Admission to Teacher Education, Entry to the Professional Stage, and Program Completion. For information on these requirements, consult the Student Academic Services in the College of Education. **A satisfactory score on the PRAXIS II subject area/specialty area tests is required prior to registration for EDUC 475.** For up to date information on the PRAXIS test, please see page 80 in the College of Education section of this catalog.

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 138-146 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.

COLLEGE OF ARTS & SCIENCES--BIOLOGY/MEDICAL TECHNOLOGY
Certification as a Medical Technologist - Bachelor of Science in Biology

Program Director: Dr. Lee Anne Cope

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

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
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		
HMPX 102	The Human Experience: Who Am I?	3
Global Perspectives		
	See approved list, p. 16	3
Historical Perspectives		
	See approved list, p. 16	3
Developing Critical Skills and Applying them to Disciplines		
Natural Science		
	Met by major requirements	0
Social Science		
	See approved list, p. 16; must include 2 designators	6-9*
Humanities and Arts		
	See approved list, p. 16; must include 2 designators	6-9*
	*Must take 15 hours from these two categories.	
Intensive Writing		
	Met by major requirements	0
Constitution Requirement		
	See approved list, p. 16; may be met by other req	0-3
Subtotal		34-38
Requirements in Major		
		66-68
BIOL 202, 203, 204, 205, 206, 300, 480, 491, 492		19
BIOL 310, 317, 522		11
BIOL Electives – select two courses from each of the following areas: (must include one laboratory course in each area)		
		7-8
Ecology, Evolution, Field Biology		
BIOL 303, 304, 323, 403, 404, 505, 508, 510, 511, 513, 515, 518, 524, 525, 527 and 560		
Cells, Genes and Development (satisfied by the required program)		
BIOL 307, 308, 310, 315, 317/318, 321, 322, 507, 517, 519, 522, 530 and 555		0
Select additional courses from the above areas and/or those listed below to total 42 hours in BIOL:		
BIOL 340 (A, B, C), 440, 450H, 461, 463, 471 and 540		4-5
(Students must complete at least one 500-level BIOL course)		
CHEM 105, 106, 108	General Chemistry I & II	8
CHEM 301, 302, 304	Organic Chemistry I & II	8
MATH 150 or MATH 105 or 201 or any MATH course with 201 as a prerequisite		6
Mathematics, MATH or Science electives: Select additional courses from the following list:		3
CHEM 313, 314, 523, 524 and 525; CSCI 101 and CSCI 101A, B, and C;		
MATH 141 (or QMTH 205 and 206); MATH 150.		
Students are advised (optional) to complete CHEM 313 and 314.		
General Electives		14-24
Total		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.

COLLEGE OF ARTS & SCIENCES--BIOLOGY/BIOMEDICAL RESEARCH

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.

Bachelor of Science in Biology, Biomedical Research Track

This concentration within the biology major is designed to prepare students for admission into post-graduate research programs in the biomedical sciences. Students will complete a year-long research internship. Students majoring in this concentration should take BIOL 202, 203, 204 and 205 or 206 and CHEM 105, 106 and 108 and MATH 201 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		
HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives	See approved list, p. 16	3
Historical Perspectives	See approved list, p. 16	3
Developing Critical Skills and Applying them to Disciplines		
Natural Science	Met by major requirements	0
Social Science	See approved list, p. 16; must include 2 designators	6-9*
Humanities and Arts	See approved list, p. 16; must include 2 designators	6-9*
	*Must take 15 hours from these two categories.	
Intensive Writing	Met by major requirements	0
Constitution Requirement	See approved list, p. 16; may be met by other req	0-3
Subtotal		34-38
Requirements in Major		67
BIOL 202, 203, 204, 205, 206, 300, 480, 491, 492		19
BIOL 315		4
BIOL 471 or 450(H)		3
Choose 3-4 Hours from		
BIOL 310, 317/318, 322		3-4
Choose 6-8 Hours from		
BIOL 519, 560, 522, 555 or CHEM 523/525		6-8
Biology Areas: select two courses from each area (must include a laboratory course in each area)		
Ecology, Evolution and Field Biology		7-8
BIOL 303, 304, 323, 403, 404, 505, 508, 510, 511, 513, 515, 518 525, 527 and 560 (if 560 selected above, only a 4-hr lab class is needed from this area)		
Cells, Genetics and Development (satisfied by required program)		0
BIOL 307, 308, 310, 315, 317/318, 321, 322, 507, 517, 519, 521, 522, 530, & 555		
Biology Electives		
Select additional courses to total 42 hours of BIOL from:		
BIOL 340 (A, B, C), 440, 450(H), 461, 463, 471 and 540		
Student must complete two semesters of undergraduate research. A paid summer research position may count as one semester if approved by the Department Chair. A maximum of three hours of credit for research may be used toward the total 42 hours of BIOL courses required for the BS degree.		
Required Math and Science Courses		
CHEM 105, 106, and 108	General Chemistry I & II	8
CHEM 301, 302, 304	Organic Chemistry I & II	8
MATH (except 291 or 292)		3
MATH 201	Calculus I	3
Required Ethics Course (May satisfy General Education requirements)		
PHIL 230	Introduction to Ethics	3

Mathematics and Science Electives****3**

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

MATH (except 291 & 292, and any course used to satisfy the Quantitative Reasoning Area; CHEM (except, 101, 340A, B, C, 461, 462, or 463); PHYS (except 101); GEOL; and QMTH 205, 206 (if MATH 141 not selected)

Electives**19-23****Total****124****CHEMISTRY, PHYSICS, AND GEOLOGY****Faculty****Professors**Irene Boland
Marsha Bollinger
Lennart Hans Kullberg
Ponn Maheswaranathan
Patrick M. Owens, *Chair*
Mesgun Sebhatu**Associate Professors**Clifton P. Calloway
T. Christian Grattan
James Hanna
Aaron M. Hartel
Robin K. Lammi
Takita F. Sumter**Assistant Professors**Gwen M. Daley
Jason C. Hurlbert
Kathie Snyder
Scott Wertz**Lecturers**Kristin Kull
Tom Lipinski
William McGuinness
Gregg McIntosh
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. Four programs of study focus on **chemistry (ACS Approved)**, **biochemistry (ACS Approved)**, **forensic chemistry (ACS Approved)**, and **business (ACS Approved)**. 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**

ACAD 101

Principles of the Learning Academy

Semester Hours

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, p. 16; 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, p. 16; may be met by another req

0-3

Skills for a Common Experience and Thinking Across Disciplines

HMXP 102

The Human Experience: Who Am I?

3

Global Perspectives

See approved list, p. 16

3

Historical Perspectives

See approved list, p. 16

3

Developing Critical Skills Applying them to Disciplines**Natural Science**

Met by major requirements

0

Social Science

See approved list, p. 16. Must include 2 designators*

6-9

Humanities and Arts

See approved list, p. 16. Must include 2 designators*

6-9

*Must have 15 hours within these two categories.

COLLEGE OF ARTS & SCIENCES--CHEMISTRY

Intensive Writing	May be satisfied through other requirements	0-3
Constitution Requirement	May be satisfied through other requirements	0-3
Subtotal		33-47

Requirements in Major: Complete Core and one of four Degree Tracks (ACS-Chemistry, ACS-Approved Biochemistry, Forensic Chemistry, or ACS Chemistry-Business) OR choose Multidisciplinary Chemistry.)

Required Core Program for ACS Programs **37**

BIOL 203-204	Principles of Biology	4
MATH 201-202*	Calculus I & II	8
PHYS 211-212	Physics with Calculus I & II	8
CHEM 105-106, 108	General Chemistry I & II	8
CHEM 301-302, 304	Organic Chemistry I & II	8
CHEM 305	Chemical Hygiene and Safety	1
CHEM 312	Introductory Chemometrics	1
CHEM 313-314	Quantitative Analysis	4
CHEM 407, 409, 408, 410	Physical Chemistry I & II	8
CHEM 491, 492, 493, 494	Department Seminar	0
CHEM 523, 525	Biochemistry I	4
CHEM 530, 531	Inorganic Chemistry and Lab	4

ACS Chemistry Degree Track **6**

(Students completing this degree track will be ACS-certified chemistry graduates.)

CHEM 551-552	Individual Research	6
or CHEM 500-level courses having a total of 3 laboratory credit hours		

ACS Biochemistry Degree Track **16-17**

(Students completing this degree track will be ACS-certified chemistry graduates.)

CHEM 524	Biochemistry II	3
CHEM 551, 552	Research I & II	6
BIOL 315	Cell Biology	4
BIOL 310 or 317	Microbiology, Genetics	3-4

ACS Forensic Chemistry Degree Track **14**

(Students completing this degree track will be ACS-certified chemistry graduates.)

CHEM 502-503	Instrumental Analysis	4
CHEM 505-506	Forensic Analytical Chemistry	4
CHEM 551-552	Research I & II	6
or CHEM 500-level courses having a total of 3 laboratory credit hours		

ACS Chemistry-Business Degree Track **18-24**

(Students completing this degree track will be ACS-certified chemistry graduates.)

CHEM 551, 552	Research I & II	6
or CHEM 500-level courses having a total of 3 laboratory credit hours		
ACCT 280-281	Accounting I & II	6
ECON 215-216	Microeconomics and Macroeconomics	0-6
Complete two of the following courses:		6
FINC 311	Principles of Finance	
MGMT 321	Principles of Management	
MKTG 380	Principles of Marketing	

Multidisciplinary Chemistry Program of Study **71**

MATH 201-202*	Calculus I & II	8
CHEM 105-106, 108	General Chemistry I & II	8
CHEM 301-302, 304	Organic Chemistry I & II	8
CHEM 312	Introductory Chemometrics	1
CHEM 313-314	Quantitative Analysis	4
CHEM 407, 409, 408, 410	Physical Chemistry I & II	8
CHEM 491, 492, 493, 494	Department Seminar	0
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** **0-27****Total** **124-133**

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

COLLEGE OF ARTS & SCIENCES--ENGLISH
ENGLISH

Faculty

Professors

John Bird
 Josephine A. Koster
 William F. Naufftus, *Acting Chair*
 Marquerite Quintelli-Neary
 Jane B. Smith

Associate Professors

Debra C. Boyd
 Siobhan Brownson
 Max L. Childers
 J. Scott Ely
 Matthew A. Fike
 Gloria G. Jones
 Kelly Richardson

Assistant Professors

Jack DeRochi
 Amy Gerald

Instructors

Leslie W. Bickford
 Casey Cothran
 Ann Jordan
 Cynthia Macri
 Mary Martin
 Norma McDuffie
 Marilyn Montgomery
 Evelyne Weeks

Lecturers

Gil Coon
 Bryan Ghent
 Dorothy Graham
 Amanda Hiner
 Cathleen Stewart

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		
MATH 105 or 150 or 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; ARTS 281 or VCOM 261		3
Oral Communication	May be met by another req; see approved list, p. 16	0-3
Technology	May be met by major; see approved list, p. 16	0-3
Skills for a Common Experience and Thinking Across Disciplines		
HMPX 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, p. 16. Must include 2 designators	6
Humanities and Arts	6 hours met in major; remaining 3 from another designator may be met by HIST requirement*	0-3
Intensive Writing	Met in major	0
Constitution Requirement	See approved list, p. 16; may be met through other req	0-3
Subtotal		32-44
Requirements in Major		
		42
ENGL 203	Survey of British Literature	3
ENGL 208	Foundations 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 or 510	3
Electives from ENGL above 299	9
HIST 308, 310, 313, 314, 315, 343, 344, 346, 347, 507, 509, 525, 540, or 542; or ARTH 175 or 176	6
Foreign Language Requirement	0-8
Minor	15-24
General Electives	0-36
Total	124-127

†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. **All English Education majors must have a cumulative 2.75 GPA in ENGL 203, 208, 211, 300, 303, 305, 507; ENGE 391, 392, 519; and WRIT 350 prior to the internship.**

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		
MATH 105 or 150 or 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; QMTH; ARTS 281 or VCOM 261		3
Oral Communication	Met by major	0
Technology	Met by major	0
Skills for a Common Experience and Thinking across Disciplines		
HMXP 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	See list, p. 16; from 2 categories & 1 must be a lab science	7
Social Science	See approved list, p. 16; must include 2 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, p. 16	0-3
Subtotal		35-38
Requirements in Major		36
ENGL 203, 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

COLLEGE OF ARTS & SCIENCES--ENGLISH CERTIFICATION

Professional Education Sequence	33
EDUC 110*, 210*, 250*, 275*, 310*~, 390*~, 475*~, 490*~	29
ENGE 391*~, 392*~	Princ of Teaching Engl; Field Exp in Teaching Engl
READ 345*	Content Area Literacy
Foreign Language requirement	0-8
General Electives	6-17
Total	124

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

~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. For up to date information on the PRAXIS test, please see page 104 in the College of Education section of this catalog.

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	
MATH 105 or 150 or 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; ARTS 281 or VCOM 261	3
Oral Communication	0-3
May be met through other requirement*	
Technology	0-3
May be met through other requirement**	
Skills for a Common Experience and Thinking Across Disciplines	
HMXP 102 The Human Experience: Who Am I?	3
Global Perspectives	0
Met by major requirements	
Historical Perspectives	0-3
May be met by major requirements	
Developing Critical Skills Applying them to Disciplines	
Natural Science	7
From two categories and one must be a lab science	
Social Science	6
See approved list, p. 16. Must include 2 designators	
Humanities and Arts	3
6 met in major, remaining 3 from other designators	
Intensive Writing	0
Met in major	
Constitution Requirement	0-3
See approved list, p. 16; may be met by another req	
Subtotal	35-47
Requirements in Major	
The English Core:	15
ENGL 203 Survey of British Literature	3
ENGL 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
The Elements of Writing: Rhetoric, Language, and Audience		12
Select from WRIT 300, 350, 351, 465, 500, 501, 510; ENGL 303, 507; IMCO 105; MCOM 302		
Select one of the following options:		12
Creative Writing		9-12
Select at least two from WRIT 307, 316, 507, 516, 530; and no more than two from ENGL 317, 325, 501, 504, CSCI 101 and 3 of CSCI 101A, B, C, or P; or if focused on an appropriate topic, ENGL 310, 311, 320, or 321		
ENGL/WRIT 431, 432, or 433	Internship	0-3
Writing for Business and Technology		9-12
Select from WRIT 366, 566, VCOM 261, ARTS 281, 305, 311, 371, BADM 180, 411, CSCI 101 and 3 of CSCI 101A, B, C, or P; MCOM 241, 340, 341, 370, 471, MGMT 355, or MKTG 380.		
ENGL/WRIT 431, 432, or 433	Internship	0-3
Foreign Language Requirement		0-8
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		
MATH 105 or 150 or 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; ARTS 281 or VCOM 261		3
Oral Communication	May be met by major*	0-3
Technology	Met by major	0
Skills for a Common Experience and Thinking Across Disciplines		
HMPX 102	The Human Experience: Who Am I?	3
Global Perspectives	See approved list, p. 16	3
Historical Perspectives	See approved list, p. 16	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	3-6**
Humanities and Arts	6 hrs met in major	0-3**

**A total of 6 hours must be taken from these two areas.

COLLEGE OF ARTS & SCIENCES--ENGLISH/SCIENCE COMMUNICATION

Intensive Writing	Met in major	0
Constitution Requirement	See approved list, p. 16; may be met by another req	0-3
Subtotal		31-45
Requirements in Major		68-70
Writing Core:		
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, 343, and 370	Media Writ; Feature Writ; Public Relations Principles	9
Technology:		
ARTS 305 or 311	Intro to Photography; Photo Communication	3
CSCI 151	Overview of CSCI	3
MGMT 341 or 355	Info Systems, Business Communication	3
Science Methods/Statistics:		
PSYC 101, 301, and 302 (WRIT 465 or WRIT 566 required with this option)		11-12
OR		
BIOL 203, 204, 205, or 206; and BIOL 300 (oral intensive elective required with this option)		
Additional Science Courses		
Choose from areas below and at least 8 hours from one designator:		15-16
Life Sciences: BIOL above 199; ANTH 202, 350; NUTR 201; SCIE 202, 301;		
Physical Sciences: CHEM, PHYS		
Earth Sciences: GEOL		
Foreign Language Requirement		0-4
General Electives		5-25
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		
MATH 105 or 150 or 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		0-3
Technology		
CSCI 101 & 3 of 101A, B, C, or P	Intro to Comp & Info Processing	3

COLLEGE OF ARTS & SCIENCES--ENVIRONMENTAL SCIENCES

Skills for Common Experience and Thinking Across Disciplines

HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives		
GEOG 101 or 201	Human Geography or Geog of World Regions	3
Historical Perspectives	May be met in major; see approved list, p. 16	0-3
Developing Critical Skills and Applying them to Disciplines		
Natural Science	Met in major by BIOL 203/204 and CHEM 101	0
Social Science	May be met in major; see approved list, p. 16	0-6
ECON 103 or 215	Intro to Political Econ, Microeconomics	3
Humanities and Arts	May be met in major; see approved list, p. 16	0-9
Intensive Writing	Met in major by ENVS 520	0
Constitution Requirement	May be met in major; see approved list, p. 16	0-3
Subtotal		28-53
Requirements in the Major		
		31-32
BIOL 203/204	Principles of Biology/Lab	4
ENVS 101, 520	Intro to Environ Issues, Seminar in Environ	6
CHEM 101	Applying Chem to Society	3
Social Science/Humanities Electives (select five courses from the following)		15
ANTH 540, ECON 343, ENVS 510, GEOG 305, HIST 530, PHIL 340, PLSC 325, PSYC 311, SOCL 310		
Science Electives (select one from the following)		3-4
BIOL 205, 206, 303, 304, 323, CHEM 105, GEOG 500, GEOL 110/113, 201, 220, PHYS 105, 201		
Foreign Language		0-4
Minor		15-24
General Electives		11-51
Total		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 the Logic/Language/Semiotics Area.

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.

		Semester Hours
General Education Courses		
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, p. 16	0-3
Technology	See approved list, p. 16 – CSCI 101 and three of CSCI 101 A, B, C or P recommended	3
Skills for Common Experience and Thinking Across Disciplines		
HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives	See approved list, p. 16; may be met in major	0-3
Historical Perspectives	See approved list, p. 16; may be met in major	0-3
Developing Critical Skills and Applying them to Disciplines		
Natural Science	Met in major by BIOL 203/204, GEOL 110	0
Social Science	May be met in major; see approved list	0-9*
Humanities and Arts	May be met in major; see approved list	0-9*
*Must have 15 hours in these two categories and include at least two designators in each.		
Intensive Writing	Met in major by ENVS 520	0
Constitution Requirement	May be met by other requirements; see approved list, p. 38	0-3
Subtotal		22-50
Requirements in the Major		
		45
ENVS 101, 520	Intro to Environmental Issues, Seminar in Environ	6

COLLEGE OF ARTS & SCIENCES--ENVIRONMENTAL SCIENCES

BIOL 203/204	Principles of Biology/Lab	4
BIOL 205 or 206	General Botany, Zoology	4
BIOL 300	Scient Process	4
BIOL 403 or 515	Ecology, Environmental Biol	4
CHEM 105,106/108	General Chem I & II	8
CHEM 301 or 310/311	Organic Chem I, Essential of Organic Chem	4
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, at least 2 designators)		9-13
ANTH 540	Ecological Anthropology	
BIOL 205 or 206	Botany, Zoology	
BIOL 310, 323	Microbiology, Tropical Watershed	
CHEM 302/304	Organic Chemistry II	
CHEM 312/313/314, 315	Chemometrics/Quant Analysis/Lab/Envir Chem	
ENVS 495, 510	Independ Res in Environ, Special Topics	
GEOG 500	Global Environment & Sustainable Development	
GEOL 201, 220, 335	Nat Disasters, Oceanography, 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	
Environmental humanities and social sciences electives		12
Select at least three designators from the following:		
ECON 103 or 215, and 343	Polit Econ, Prin of Microecon, Envir Econ	
GEOG 101 or 201, and 305	Human Geography, World Geog, Geog Info Systems	
HIST 530	World Environmental Hist	
PHIL 340	Environmental Ethics	
PLSC 325	Environmental Politics	
PSYC 311	Ecological Psychology	
SOCL 310	Soc of Environ	
Foreign Language Requirement		0-4
General Electives		0-37
Total		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

Rory T. Cornish
Jason H. Silverman

Associate Professors

L. Andrew Doyle
Lynne Dunn
J. Edward Lee
Dave Pretty
Virginia S. Williams

Lecturers

Mary Catherine Griffin
Christopher Rounds
Robert Sturgis

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		
MATH 105, 150 or 201 or a MATH course with 201 prerequisite		3

COLLEGE OF ARTS & SCIENCES--HISTORY

Logic/Language/Semiotics		
Foreign Language		3-4†
CSCI, PHIL 220 or 225, SPCH 201, MATH, QMTH		3
Oral Communication	Met in major by HIST 300	0
Technology	See approved list, p. 16; may be met by another req	0-3
Skills for a Common Experience and Thinking Across Disciplines		
HMPX 102	The Human Experience: Who Am I?	3
Global Perspectives	Met in major by HIST 111 or 112	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, p. 16; must include two designators	6-9*
Humanities and Arts	3 met in major, remaining 6 from two designators on approved list, p. 16	3-6*
*A total of 12 hours must be met from these two categories.		
Intensive Writing	Met in major by HIST 300	0
Constitution Requirement	Met in major	0
Subtotal		38-42
Requirements in the Major		
33		
2 of HIST 111, 112, 113	World Civ to 950, Wld Civ 950-1750, Wld Civ Since 1750	6
HIST 211	US History to 1877	3
HIST 212	US History since 1877	3
HIST 300	Historiography and Methodology	3
HIST 590	Senior Capstone Seminar	3
HIST electives, including 6 hours at the 500 level (in addition to HIST 590) and at least 3 semester hours from each of the following groupings:		15
United States:		
HIST 308, 310, 313, 314, 315, 321, 501, 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, 338, 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.		
HIST 590 may not be applied to any of these groupings		
Foreign Language Requirement		0-4
Minor		15-24
General Electives		21-38
Total		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 their advisers 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	
MATH 105, 150, 201 or any MATH with 201 prerequisite	3
Logic/Language/Semiotics	
Foreign Language	3-4†
CSCI; PHIL 220-225; SPCH 201; MATH; QMTH; ARTS 281 or VCOM 261	3
Oral Communication	0
Technology	0

COLLEGE OF ARTS & SCIENCES--HISTORY CERTIFICATION

Skills for a Common Experience and Thinking Across Disciplines

HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives	Met in major HIST 111 or 112	0
Historical Perspectives	Met in major	0
Developing Critical Skills Applying them to Disciplines		
Natural Science	See list, p. 16; from 2 categories & 1 must be a lab science	7
Social Science	Met by major	0
Humanities and Arts	3 hours met in major; select 3 hours from another designator on approved list, p. 16.	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, 306; PLSC 201, 202; SOCL 101	24
Select 2 from HIST 111, 112, & 113	6
HIST 211, 212, 300, 590	12
HIST electives	15
Including at least 6 hours at the 500 level (in addition to HIST 590) and at least 3 semester hours from each of the following groupings:	
United States	
HIST 308, 310, 313, 314, 315, 321, 501, 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, 338, 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. HIST 590 may not be applied to any of these groupings. (Six hours of Global Perspectives and/or European, and 6 hours of US and/or SC are strongly recommended.)	
Professional Education Sequence:	33
EDUC 110*, 210*, 250*, 275*, 310*, 390*, 475, 490	29
SCST 391, 392	4
Foreign Language Requirement	0-4
General Electives	0-5
Total	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 and may not be taken on the S/U basis.

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

The PRAXIS II Series is required prior to graduation: 1) Subject Assessment/Specialty Area Tests and 2) Principles of Learning and Teaching (PLT) Test. For up to date information on the PRAXIS test, please see page 80 in the College of Education section of this catalog.

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.

HUMAN NUTRITION**Faculty****Professors**

Sarah F. Stallings
 Patricia Giblin Wolman, *Chair*

Associate Professors

R. Carlton Bessinger
 E. Jean Silagyi Rebovich

Instructors

Christine H. Goodner
 Christopher Storie (Geography)
 Judy Harper Thomas

Lecturers

Lauren Brightwell
 Lisa Martin
 Bryan McFadden (Geography)
 Stephanie Nielsen
 Mildred Strother-Davis
 Alice Sutton
 Bryan Townsend (Geography)
 Elizabeth Weikle
 Leslie Young

**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		
MATH 105 or 150 or 201 or any MATH with 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		
	See approved list, p. 16; may be met by major	0-3
Skills for a Common Experience and Thinking across Disciplines		
HMPX 102	The Human Experience: Who Am I?	3
Global Perspectives		
	See approved list, p. 16	3
Historical Perspectives		
	See approved list, p. 16	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	Gen Chemistry I	4
Social Science (must include two designators)		
SOCL 201 or ANTH 201	Princ of Soc or 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, p. 16.		
Intensive Writing		
NUTR 534	Seminar in Human Nutrition	3
Constitution Requirement	See approved list, p. 16; may be met by other requirements	0-3
Subtotal		53-60
Requirements in Major		66-68
NUTR 226, 227, 231/232, 340A or C, 370, 371, 421, 427, 428, 471, 480, 520, 521, 523/524, 527		41-43
BIOL 308, 310		8
CHEM 106/108, 301 or 310/311, and 521		11
PSYC 206	Developmental Psychology	3
ACCT 280	Acct info for Bus Decisions I	3
Foreign Language Requirement		0-4
General Electives		0-4
Total		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 (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		
MATH 105 or 150 or 201 or any MATH with 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	See approved list, p. 16	3
Skills for a Common Experience and Thinking across Disciplines		
HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives	See approved list, p. 16	3
Historical Perspectives	See approved list, p. 16	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	Gen Chemistry I	4
Social Science		
SOCL 201 or ANTH 201	Princ of Soc or Cultural Anthropology	3
PSYC 101	General Psychology	3
ECON 215	Microeconomics	3
Humanities and Arts		
Select at least two courses from two different subject areas. See approved list, p. 16.		
Intensive Writing		
NUTR 534	Seminar in Human Nutrition	3

COLLEGE OF ARTS & SCIENCES--HUMAN NUTRITION/FOOD SYSTEMS MANAGEMENT

Constitution Requirement	See approved list, p. 16	0-3
Subtotal		53-60
Requirements in Major		68
NUTR 227, 231/232, 370, 421, 427, 428, 521, 523/524, 527		27
BIOL 307, 308, 310	Human Anatomy, Physiology, Microbiology	12
CHEM 106/108, 301, 302/304, 521	Gen Chem, Organic Chem I & II, Nutri Biochem	15
PHYS 201, 202	General Physics I & II	8
PSYC 206	Developmental Psychology	3
ACCT 280	Accounting Info for Business Decisions	3
Foreign Language Requirement		0-4
General Electives		0
Total		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		
MATH 105 or 150 or 201 or any MATH with 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 and 3 of 101A, B, C, or P	Intro to Comp & Info Proc	3
Skills for a Common Experience and Thinking across Disciplines		
HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives	See approved list, p. 16	3
Historical Perspectives	See approved list, p. 16	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	Gen Chemistry I	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, p. 16.	6
Intensive Writing		
NUTR 534	Seminar in Human Nutrition	3
Constitution Requirement	May be met by other reqs; see approved list, p. 16	0-3

Subtotal		56-60
Requirements in Major		58
NUTR 227, 231/232, 340C, 370, 371, 421, 471, 480, 523/524		27
ACCT 280, 281	Acct Info for Business Decisions I & II	6
CHEM 106/108	General Chemistry II	4
BADM 180	Contemporary Business Issues	3
FINC 311	Principles of Finance	3
HCMT 200, 300	Intro to Health Care Mgmt, Health Care Manager	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		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*
Marilyn S. Sarow

Associate Professors

D. Haney Howell
Padmini Patwardhan
Guy S. Reel
Lawrence C. Timbs

Assistant Professor

Justin Brown

Instructors

Mark S. Nortz
Bonnye Stuart

Bachelor of Arts in Mass Communication

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

By the time of graduation, mass communication graduates are expected to be able to gather, organize and process information; conduct interviews; write to a professional level of competence; and edit and produce, 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, HMXP 102, MATH 105 or 150 or 201 or a MATH course with 201 as a prerequisite, ECON 103 or 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 MCOM course as well as at least a 2.0 GPA in the major.

Admission to MCOM 241 requires completion of the quantitative skills requirement (MATH 105 or 150 or 201 or a MATH course with 201 as a prerequisite); a grade of B- or better in WRIT 101 and HMXP 102; keyboard proficiency; and a 2.0 or higher cumulative GPA. Students are required to type all written assignments.

The mass communication major is limited to 37 hours of MCOM courses. Students who exceed 37 hours in MCOM will not be allowed to apply those additional hours toward the 124 hours required for the degree program.

Students are expected to complete courses generally in numerical order; for example, MCOM 205, 241, 333, 342, 410, 412, 441, 499.

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

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		
MATH 105 or 150 or 201 or a MATH course with 201 as a prerequisite		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		
HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives	See approved list, p. 16	3
Historical Perspectives		
HIST 212 or 308 or 507 or 509		3
Developing Critical Skills and Applying them to Disciplines		
Social Science		
PLSC 202, ECON 103 or 215	See approved list, p. 16. State and Local Gov't, Pol Economy, Princ of Microecon	0-3* 6
Humanities and Arts		
	See approved list, p. 16; 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, p. 16; may be met by other req	0-3
Subtotal		47-51
Requirements in Major		37-41
MATH 145		3
MCOM 205, 241, 410, 412, 441, 499		16
Complete one of the following sequences:		
Journalism:		
MCOM 333, 342; one from MCOM 331 or 343 or 471 or 510; and ARTS 305 or 311		12
MCOM Electives		9
Broadcast:		
MCOM 325, 346, 425, 446; and 444 or 447		15
MCOM Electives		3
Foreign Language Requirement		0-4
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 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.

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 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 (MATH 150, WRIT 101, HMXP 102, ECON 215, CSCI 101 & 101ABC, 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.

COLLEGE OF ARTS & SCIENCES--INTEGRATED MARKETING COMMUNICATION

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. An IMCO major cannot minor in business administration.

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		
MATH 105 or 150 or 201 or a MATH course with 201 as a prerequisite		3
Technology	Met by major	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		
HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives	See approved list, p. 16	3
Historical Perspectives		3
HIST 212 or 308 or 507 or 509		3
Developing Critical Skills and Applying them to Disciplines		
Social Science		
PSYC 101, ECON 215	Gen Psyc, Prin of Microecon	6
Humanities and Arts	See approved list, p. 16; 3 may be met in major	3-6*
*Must take 6 hours from these two categories.		
Natural Science	See approved list, p. 16; 2 categories; one must have a lab	7
Intensive Writing	See approved list, p. 16; may be met by other requirement	0-3
Constitution Requirement	See approved list, p. 16; may be met by other requirement	0-3
Subtotal		44-51
Requirements in Major		
IMCO 105, 475	Intro to Integ Mktg Comm, Seminar in IMC	4
MCOM 241, 341, 349, 370, 410, 461 or 462 or 463, 471, 499; and one MCOM elective other than 205;		21
ACCT 280; MKTG 380, 381, 481, 482; MGMT 321 and 341		3
ARTS 305 or 311 or VCOM 222 or 258 or 259		6
QMTH 205 and 206	Applied Statistics I & II	3
CSCI 101 & CSCI 101A, B & C	Intro to Comp & Information Processing	3
Foreign Language Requirement		0-4
General Electives		7-20
Total		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
 Ronnie C. Goolsby
 Heakyung Lee
 Thomas W. Polaski
 Danny W. Turner

Assistant Professors

Carlos E. Caballero
 Trent Kull
 Joseph Rusinko
 Dawn Strickland

Instructors

Iris Coleman

Lecturer

Nanette Altman
 Brian Hipp
 Christopher Howle
 Ovid Mentore

Associate Professor

Beth G. Costner, *Chair*
 Frank B. Pullano

Bachelor of Arts in Mathematics

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

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
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, may be met by other requirements	0-3
Technology		
	Met in major	0
Skills for a Common Experience and Thinking Across Disciplines		
HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives		
	See approved list, p. 16	3
Historical Perspectives		
	See approved list, p. 16	3
Developing Critical Skills and Applying them to Disciplines		
Natural Science		
	See approved list, p. 16; from 2 categories & 1 must be a lab science	7
Social Science		
	See approved list, p. 16; must include 2 designators	6-9*
Humanities and Arts		
	See approved list, p. 16; must include 2 designators	6-9*
*Must have a total of 15 hours in these two categories.		
Intensive Writing		
	See approved list, p. 16; may be met by other requirements	0-3
Constitution Requirement		
	See approved list, p. 16; may be met by other requirements	0-3
Subtotal		
		41-51
Requirements in the Major		
		44
MATH 201, 202, 300, 301, 310, 341, 351, 400, 509, 541		32
Select 3 additional hours from MATH 305 or 355		3
CSCI 151, 207	Overview of Comp Sci, Intro to Comp Sci I	7
MAED 200, 400	Intro to Mathematica, Assessment Capstone	2
Minor		
		15-24
Foreign Language Requirement		
		0-4
General Electives		
		4-19
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 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

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

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
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		
	Met by major	0
Technology		
	Met by major	0
Skills for a Common Experience and Thinking Across Disciplines		
HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives		
	See approved list, p. 16	3
Historical Perspectives		
	See approved list, p. 16	3
Developing Critical Skills and Applying them to Disciplines		
Natural Science		
	See list, p. 16; from 2 categories & 1 must be a lab science	7
Social Science		
	See approved list, p. 16; must include 2 designators	6-9*
Humanities and Arts		
	See approved list, p. 16; 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, p. 16; may be met by other requirements	0-3
Subtotal		41-45
Requirements in Major		
		48
MATH 201, 202, 300, 301, 310, 341, 351, 509, 520, 541		33
Select 3 additional hours from MATH 305 or 355		3
CSCI 151, 207	Overview of Comp Sci, Intro to Comp Sci I	7
MAED 200, 400, 548	Intro to Mathematica, Assess Capstone, Sec Math Curr	5
Professional Education Sequence		
EDUC 110, 210, 250, 275, 310, 390, 475, 490	Education Core	29**
MAED 391, 392	Prin of Teaching Math, Field Exp in Teach Math	4
Foreign Language Requirement		
		0-4
General Electives		
		0-6
Total		124-130

†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.

** A grade of C or better is required in EDUC 110, 210, 250, 275, 310, and 390 and may not be taken on the S/U basis.

Department of Mathematics requirements for admission into MAED 392, Field Experience in Teaching Mathematics:

1. Meet all requirements as specified by the College of Education.
2. Must have completed the following professional education courses: EDUC 110, 210, 250, 275 and 310.
3. Must have completed or be completing 24 hours of mathematics courses including MATH 201, 202, 300, 301, 350, and MAED 548.
4. Must earn a C or better in MATH 300.
5. Must have completed the Mathematics Department Bridge experience which consists of 13 hours (1 hour per week)

COLLEGE OF ARTS & SCIENCES--BS MATHEMATICS

of service in the Winthrop Mathematics Tutorial Center while enrolled in MAED 548.

- Must have a letter of recommendation from a member of the Department of Mathematics faculty.

Department of Mathematics requirements for admission into EDUC 475, Internship in Reflective Practice:

- Meet all requirements specified by the College of Education.
- Must have a grade of C or better in MATH 520, EDUC 310, and MAED 391, as well as an S in MAED 392..
- Must have maintained a 2.00 or higher gpa in all courses in the major program taken at Winthrop University as well as a 2.75 or higher gpa overall.
- Must have passed either the Praxis II--Mathematics: Content Knowledge (Test 10061) or Mathematics: Proofs, Models, and Problems, Part 1 (graphing calculator required) (Test 20063).
- Must have completed all course work necessary for graduation with the exception of EDUC 475 and 490.

Within the 124-130 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

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

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, p. 16	0-3
Technology		
	Met by major	0
Skills for a Common Experience and Thinking Across Disciplines		
HMPX 102	The Human Experience: Who Am I?	3
Global Perspectives		
	See approved list, p. 16	3
Historical Perspectives		
	See approved list, p. 16	3
Developing Critical Skills and Applying them to Disciplines		
Natural Science		
	Must complete one course from life or earth science	3
Social Science		
	See approved list, p. 16; must include 2 designators	6-9*
Humanities and Arts		
	See approved list, p. 16; must include 2 designators	6-9*
*Must have a total of 15 hours in these two categories.		
Intensive Writing		
	See approved list, p. 16; may be met by other requirements	0-3
Constitution Requirement		
	See approved list, p. 16; may be met by other requirements	0-3
Subtotal		37-47
Required Program		67
MATH 201, 202, 300, 301, 305, 310, 341, 351, 355, 400, 509, 541		38
MATH electives above 300 (excluding 393 and 546)		12
MAED 200, 400	Intro to Mathematica, Assessment Capstone	2
CSCI 151, 207, 208	Overview of Comp Sci, Intro to Comp Sci I& II	11
PHYS 211	Physics with Calculus I	4
Foreign Language Requirement		0-4
General Electives		6-15
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 67 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

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

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
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	See additional requirements in major	3-4†
Oral Communication	Met by major	0
Technology	Met by major	0
Skills for a Common Experience and Thinking Across Disciplines		
HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives*	See approved list, p. 16	3
Historical Perspectives*	See approved list, p. 16	3
Developing Critical Skills and Applying them to Disciplines		
Natural Science	Must complete one course from life or earth science	3
Social Science	See approved list, p. 16; must include 2 designators	6-9*
Humanities and Arts	See approved list, p. 16; must include 2 designators	6-9*
*Must have a total of 15 hours in these two categories.		
Intensive Writing	Met in major by MAED 548	0
Constitution Requirement	See approved list, p. 16	0-3
Subtotal		38-41
Requirements in Major		
		65
MATH 201, 202, 300, 301, 305, 310, 341, 351, 355, 509, 520, 541		39
MATH electives above 300 (excluding 393 and 546)		6
MAED 200, 400, 548	Intro to Mathematica, Assess Capstone, Sec Math Curr	5
CSCI 151, 207, 208	Overview of Comp Sci, Intro to Comp Sci I& II	11
PHYS 211	Physics with Calculus I	4
Professional Education Sequence		
		33
EDUC 110, 210, 250, 275, 310, 390, 475, 490	Education Core	29**
MAED 391, 392	Prin of Teaching Math, Field Exp in Teach Math	4
Foreign Language Requirement		
		0-4
Total		134-143

†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.

** A grade of C or better is required in EDUC 110, 210, 250, 275, 310, and 390 and may not be taken on the S/U basis.

Department of Mathematics requirements for admission into MAED 392, Field Experience in Teaching Mathematics:

1. Meet all requirements as specified by the College of Education.
2. Must have completed the following professional education courses: EDUC 110, 210, 250, 275 and 310.
3. Must have completed or be completing 24 hours of mathematics courses including MATH 201, 202, 300, 301, 350,

COLLEGE OF ARTS & SCIENCES--MODERN LANGUAGES

and MAED 548.

- 4. Must earn a C or better in MATH 300.
- 5. Must have completed the Mathematics Department Bridge experience which consists of 13 hours (1 hour per week) of service in the Winthrop Mathematics Tutorial Center while enrolled in MAED 548.
- 6. Must have a letter of recommendation from a member of the Department of Mathematics faculty.

Department of Mathematics requirements for admission into EDUC 475, Internship in Reflective Practice:

- 1. Meet all requirements specified by the College of Education.
- 2. Must have a grade of C or better in MATH 520, EDUC 310, and MAED 391, as well as an S in MAED 392..
- 3. Must have maintained a 2.00 or higher gpa in all courses in the major program taken at Winthrop University as well as a 2.75 or higher gpa overall.
- 4. Must have passed either the Praxis II--Mathematics: Content Knowledge (Test 10061) or Mathematics: Proofs, Models, and Problems, Part 1 (graphing calculator required) (Test 20063).
- 5. Must have completed all course work necessary for graduation with the exception of EDUC 475 and 490.

Within the 124-130 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.

MODERN LANGUAGES

Faculty

Professors

Donald Flanell Friedman
Kenneth A. Gordon, *Chair*
Pedro M. Muñoz

Associate Professors

Barbara Esquival-Heinemann
Cecile Leung

Instructors

Catalina Adams
Victoria Uricoechea

Lecturers

Troy Briles
Donna Carpentier
Darlene Hegel
Nan Landsman
Robert Loebe
Mercedes Martell
Concetta Morris
Charlene G. Rodriguez
Deann M. Segal
Tom Shealy, *Professor Emeritus*
Jialin Shen
Renee Wilson

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.

Students may obtain credit for French, German, or Spanish 101 and/or 102 upon completion of the appropriate course with a grade of B or higher. Credit will not be given for courses for which university credit has been awarded previously. No grade is assigned to this credit. A grade is received only for the course taken at Winthrop. The course credits that can be earned are summarized on page 20. For further information, contact the Chair of the Department of Modern Languages.

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		
MATH 105 or 150 or 201 or a MATH course with 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language	Met by major	0

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CSCI; PHIL 220 OR 225; SPCH 201; MATH; QMTH; ARTS 281 or VCOM 261	3
Oral Communication	See approved list, p. 16; may be met by another req 0-3
Technology	See approved list, p. 16 ; may be met by another req 0-3
Skills for a Common Experience and Thinking Across Disciplines	
HMXP 102	The Human Experience: Who Am I? 3
Global Perspectives	See approved list, p. 16; may be met by major 3
Historical Perspectives	See approved list, p. 16 3
Developing Critical Skills Applying them to Disciplines	
Natural Science	See approved list, p. 16; select from 2 categories and one must be a lab science 7
Social Science	See approved list, p. 16; select from 2 designators 6-9*
Humanities and Arts	See approved list, p. 16; select from 2 designators 6-9*
*A total of 15 semester hours must be taken from these two categories.	
Intensive Writing	See approved list, p. 16; may be met by other requirement 0-3
Constitution Requirement	See approved list, p. 16; may be met by other requirement 0-3
Subtotal	44-56
Requirements in Major	35-37
FREN 201, 202, 250, 301 or 302, 310, 401 or 402, 499	19
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
Minor	15-24
General Electives	7-30
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		
MATH 105 or 150 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; ARTS 281 or VCOM 261		3
Oral Communication	See approved list, p. 16; may be met by another req	0-3
Technology	See approved list, p. 16; may be met by another req	0-3
Skills for a Common Experience and Thinking Across Disciplines		
HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives	Met by major	0
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, p. 16; select from 2 designators	6-9*
Humanities and Arts	See approved list, p. 16; select from 2 designators	6-9*
*A total of 15 semester hours must be taken from these two categories.		
Intensive Writing	See approved list, p. 16; may be met by other requirement	0-3
Constitution Requirement	See approved list, p. 16; may be met by other requirement	0-3
Subtotal		41-53
Requirements in Major		
SPAN 201, 202, 225, 250, 301 or 302, 310, 401 or 402, 499		22
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
Minor		15-24
General Electives (15 sem hours of study abroad in a Spanish Speaking country recommended)		7-30
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.

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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		
MATH 105 or 150 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; ARTS 281 or VCOM 261		3
Oral Communication	Met by major	0
Technology	Met by major	0
Skills for a Common Experience and Thinking across Disciplines		
HMPX 102	The Human Experience: Who Am I?	3
Global Perspectives	Met by major for Spanish; French, see approved list, p.16	0-3
Historical Perspectives	See approved list, p. 16	3
Developing Critical Skills Applying them to Disciplines		
Natural Science	See list, p. 16; from 2 categories & 1 must be a lab science	7
Social Science	See approved list, p. 16; 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, p. 16; may be met by other requirement	0-3
Constitution Requirement	See approved list, p. 16; may be met by other requirement	0-3
Subtotal		41-50
Requirement in Major (Select one emphasis from the following.)		35-37
French Emphasis: FREN 201, 202, 250, 301 or 302, 310, 401 or 402, 499		19
Select courses from FREN above 202 to include at least 3 hours at the 500 level		10
Electives in a second foreign language (excluding 575)		6-8
Spanish Emphasis: 201, 202, 225, 250, 301 or 302, 310, 401 or 402, 499		19
Select courses from 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		33
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		4-15
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 Professional 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. For up to date information on the PRAXIS test, please see page 80 in the College of Education section of this catalog.

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

Associate Professors

Peter J. Judge, *Chair*
David Meeler
Kristin Beise Kiblinger

Assistant Professors

William P. Kiblinger
M. Gregory Oakes

Professors Emeriti

Houston Craighead
William W. Daniel

Bachelor of Arts in Philosophy and Religion

The study of Philosophy and Religion develops the skills of critical analysis at the most fundamental levels of human understanding. Students trained in philosophy and religion have pursued careers in teaching, ministry, law, medicine, management, publishing, sales, criminal justice and other fields.

Students may concentrate in either subject depending on career goals. Those planning graduate study in philosophy or religious studies would select the appropriate concentration.

The major program requires a total of 36 semester hours, including a required program of 18 hours and selection of 18 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		
MATH 105 or 150 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, p. 16; may be met by another requirement	0-3
Technology		
	See approved list, p. 16; may be met by another requirement	0-3
Skills for a Common Experience and Thinking Across Disciplines		
HMPX 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, p. 16; must include 2 designators	6
Humanities and Arts	Met in major	0
Intensive Writing	Met in major	0
Constitution Requirement	See approved list, p. 16; may be met by another requirement	0-3
Subtotal		29-39
Requirements in Major		
		18
PHIL 220	Logic and Language	3
RELG 201	Intro to Religious Studies	3
PHIL 301 or 302	Hist of Phil: Ancient Period/Modern Period	3
RELG 300	World Religions	3
PHIL/RELG 390	Philosophy of Religion	3
PHIL 495 or RELG 495	Meth & Research in Philosophy/Religion	3
Select from one of three tracks:		
A. Philosophy Track		18
Core Philosophy (6 hours)		
PHIL 310	Theories of Knowledge	3
PHIL 312	Metaphysics	3
Historical Development (3-6 hours)		
PHIL 301	Hist of Phil: Ancient Period (if not taken in major req.)	3

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PHIL 302	Hist of Phil: Modern Period (if not taken in major req.)	3
PHIL 303	Existentialism	3
PHIL 305	American Philosophy	3
Value Theory (at least 3 hours)		
PHIL 315	Historical Dev in Moral Reasoning	3
PHIL 320	Professional Ethics	3
PHIL 340	Environmental Ethics	3
PHIL 575	Business Ethics	3
Elect from other PHIL courses (3-6 hours)		
B. Religious Studies Track		18
RELG 220	Reading Biblical Texts	3
Elect from other RELG courses		15
C. Combined Track		18
Elect from PHIL or RELG courses		
Foreign Language		0-4
Minor		15-24
General Electives		21-41
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.

The student must attain a cumulative grade-point average of 2.00 or better in courses taken at Winthrop and included in the 36 semester hours of the required program. 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 36 semester hours of the required programs, the student must select and complete a minor, attaining no less than a 2.00 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

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

Lecturers

Katarina Moyon
 Meredith Petersheim
 David Vehaun

Associate Professors

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

Professor Emeritus

Melford A. Wilson, Jr.

Bachelor of Arts in Political Science

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

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking, & Writing	3
Quantitative Skills		
MATH 105 or 150 or 201 or a MATH course with 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language		3-4†

MATH 145	Statistical Meth for Comm the Analysis of Data	3
Oral Communication Technology	May be met in major See approved list, p. 16; may be met by another req	0-3 0-3
Skills for a Common Experience and Thinking Across Disciplines		
HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives	Met by major requirements	0
Historical Perspectives	See approved list, p. 16	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		30-36
PLSC 201	American Government	3
PLSC 350	Scope and Methods	3
PLSC 490, 450H, or HONR 450H	Sr Capstone, Thesis Research	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, 332, 335, 336, 337, 338, 345, 504, 505, 506, or 508		3
Political Theory		
Select from PLSC 351, 352, 355, 356, 551 or 553		3
Public Administration		
Select from PLSC 320, 321, 323, 325, 512 or 524H		3
Experiential Learning Requirement		0-3
Select from PLSC 260, 307, 337, 470, 471, 472, 473, 501, 502, 503 or 514 (Course may also be used to meet another degree requirement.)		
PLSC electives		6-15
Foreign Language Requirement		0-4
Minor		15-24
General Electives		9-38
Total		124

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

†Students 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 30-36 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 30-36 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.

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	
MATH 105 or 150 or 201 or a MATH with 201 as a prerequisite 3	
Logic/Language/Semiotics	
Foreign Language 3-4†	

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MATH 145	Statistical Meth for Comm the Analysis of Data	3
Oral Communication	May be met in major	0-3
Technology	Met in major	0
Skills for a Common Experience and Thinking Across Disciplines		
HMPX 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	See list, p. 16; from 2 categories & 1 must be a lab science	7
Social Science	Met in major	0
Humanities and Arts	3 hours met in major; remaining 3 from second designator on approved list, p. 16	0-3
Intensive Writing	See approved list, p. 16; may be met in major	0-3
Constitution Requirement	Met in major by PLSC 201	0
Subtotal		26-36
Requirements in Major		
PLSC 201, 350, 490 or 450H or HONR 450H		9
ANTH 201; ECON 215, 216; GEOG 101; GEOG 101 or 303 or 304 or 306; HIST 211, 212, and 2 of 111, 112, 113; 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, 332, 335, 336, 337, 338, 345, 504, 505, 506, or 508		3
Political Theory		
Select from PLSC 351, 352, 355, 356, 551 or 553		3
Public Administration		
Select from PLSC 320, 321, 323, 325, 512, or 524H		3
Experiential Learning Requirement		
Met with EDUC 475	Internship in Reflective Practice	0
PLSC electives		9-15
Professional Education Sequence:		
EDUC 110, 210, 250, 275, 310~, 390~, 475~, 490~; SCST 391-392~		33*
Foreign Language Requirement		
		0-4
General Electives		
		0-5
Total		124-139

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

†Students 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 and may not be taken on the S/U basis.

~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 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. For up to date information on the PRAXIS test, please see page 80 in the College of Education section of this catalog.

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 60-66 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 124-139 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		
MATH 105 or 150 or 201 or a MATH course with 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language		3-4†
MATH 145	Statistical Meth for Comm the Analysis of Data	3
Oral Communication	May be met in major	0-3
Technology		
CSCI 101 & 3 of CSCI 101 A, B, C, or P	Intro to Comp & Info Processing and labs	3
Skills for a Common Experience and Thinking Across Disciplines		
HMPX 102	The Human Experience: Who Am I?	3
Global Perspectives	Met in major	0
Historical Perspectives	See approved list, p. 16	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 in major	0
ECON 216	Macroeconomics	3
Humanities and Arts	3 may be met in major, 3-6 from another designator	3-6
Intensive Writing	See approved list, p. 16; may be met in major	0-3
Constitution Requirement	Met in major by PLSC 201	0
Subtotal		38-48
Required Program		30-36
PLSC 201, 202, 321, 323, 350, 473		18
Select from PLSC 302, 315, 320, 325, 512, or 524H		3
Select from PLSC 490, 450H, or HONR 450H		3
Comparative Government and International Relations		
Select from PLSC 205, 207, 260, 332, 335, 336, 337, 338, 345, 504, 505, 506, or 508		3
Political Theory		
Select from PLSC 351, 352, 355, 356, 551 or 553		3
Experiential Learning Requirement		0
Met by PLSC 473	Academic Internship in PLSC	
PLSC electives		0-6
Foreign Language Requirement		0-4
Minor		15-24
General Electives		12-41
Total		124

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

†Students 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 30-36 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 30-36 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.

COLLEGE OF ARTS & SCIENCES--PRE-PROFESSIONAL PROGRAMS
PRE-PROFESSIONAL PROGRAMS

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

Pre-Dental

Advisers: Dr. Carlton Bessinger, Dr. Lee Anne Cope, Dr. Aaron Hartel, Dr. James Johnston, Dr. Julian Smith, and Dr. Takita F. Sumter

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

Pre-Engineering Program

Adviser: Dr. Mesgun Sebhatu

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

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

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

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

Pre-Law

Adviser: Dr. Timothy 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 adviser in the Political Science Department for assistance in planning a suitable course of pre-law study compatible with the student's major subject. Additional information for students considering legal studies can be found in the Pre-Law Handbook (<http://www.winthrop.edu/plsc/prelaw.htm>).

Pre-Medical

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

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

Pre-Pharmacy

Advisers: Dr. Carlton Bessinger, Dr. Aaron Hartel, Dr. James Johnston, Dr. Julian Smith, and Dr. Takita F. Sumter,

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

Pre-Physical Therapy

Advisers: Dr. 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.

Pre-Veterinary

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

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

Other Pre-Professional Health Studies

Adviser: Dr. 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 adviser for specific details.

PSYCHOLOGY**Faculty****Professors**

Heidar A. Modaresi
Donna Nelson
Joseph S. Prus, *Chair*

Associate Professors

Gary L. Alderman
Leigh Armistead
Tim Daugherty
Cheryl Fortner-Wood
Kathy A. Lyon
Antigo D. Martin-Delaney
Darren Ritzer
Jeff Sinn
Merry Sleigh

Assistant Professors

Tracy Griggs
Matthew Hayes
Jane Rankin
Kwabena Sankofa

Instructors

Eurnestine Brown
Mary McKemey
Lois J. Veronen

Bachelor of Arts in Psychology

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

COLLEGE OF ARTS & SCIENCES--PSYCHOLOGY

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		
MATH 150 (preferred) or MATH 105, 201 or a MATH course with 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language (See additional requirements in major)		3-4†
CSCI; PHIL 220 or 225; SPCH 201; MATH; QMTH; ARTS 281 or VCOM 261		3
Oral Communication	See approved list, p. 16	3
Technology	See approved list, p. 16	3
Skills for a Common Experience and Thinking Across Disciplines		
HMPX 102	The Human Experience: Who Am I?	3
Global Perspectives	See approved list, p. 16	3
Historical Perspectives	See approved list, p. 16	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 from another designator	3-6*
Humanities and Arts	See approved list, p. 16	6-9*
*a total of 15 semester hours from these two groups must be taken		
Intensive Writing	See approved list, 16	3
Constitution Requirement	See approved list, p. 16; may be met by other requirement	0-3
Subtotal		44-54
Requirements in Major		36
Foundations--PSYC 101, 198	Gen Psychology, Psyc as Discipline & Profes	4
Experimental Sequence--PSYC 301, 302	Statistics & Research Methods	8
SR Capstone Exper--PSYC 400, 463 or 498	Hist & Sys of PSYC, Internship, SR Seminar	3
Core Courses--Choose 3 of 6: PSYC 206, 305, 313, 335, 409, 508		9
PSYC Electives (courses numbered above 299)		12
Foreign Language Requirement		0-4
Minor		15-24
General Electives		6-30
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:

- a) The student must attain a **grade of C- or better in PSYC 101, 301 and 302.**
- b) 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.**
- c) Students must complete the **Quantitative Skills requirement before beginning PSYC 301.**
- d) 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.
- e) 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.
- f) Students **changing their majors from Biology to Psychology** who have completed BIOL 300 with a grade of C- or better, are not required to complete PSYC 302. **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.

- g) 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*
Deana F. Morrow

Associate Professors

Susan B. Lyman
Ameda A. Manetta

Assistant Professors

Brent E. Cagle
Wendy S. Campbell
Cynthia D. Forrest
Kareema J. Gray
Shelly Neely-Goodwin

Instructors

Linda M. Ashley
Jackie Jones-Nickens

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.

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		
MATH 105 or 150, 201 or a MATH course with 201 as a prerequisite		3
Logic/Language/Semiotics	3 hours met in major; additional 3 hours may be met by QMTH 205 or MATH 141	0-3
Oral Communication	See approved list; may be met by another req	0-3
Technology	Met in major requirements by CSCI 101, & 101A, B, C	0
Skills for a Common Experience & Thinking Across Disciplines		
HMPX 102	The Human Experience: Who Am I?	3
Global Perspectives	Met in major	0
Historical Perspectives	See approved list, p. 16	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, p. 16; must include 2 designators	6
Intensive Writing	Met in major	0
Constitution Requirement	Met in major	0
Subtotal		26-32
Requirements in the Major		
ANTH 201	Cultural Anthropology	3
CSCI 101, 101A, B, & C	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 or BIOL 150/151	Biology of Aging, Elements of Living Systems	3-4
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
General Electives		18-26
Total		124

COLLEGE OF ARTS & SCIENCES--SOCIOLOGY

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
 April A. Gordon
 Jonathan I. Marx, *Chair*
 Jennifer Solomon

Associate Professor

Richard Chacon

Assistant Professors

M. Kelly James
 Bradley G. Tripp
 Jeannie Haubert Weil

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		
MATH 105 or 150, 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; ARTS 281 or VCOM 261		3
Oral Communication	See approved list, p. 16; may be met by another req	0-3
Technology	See approved list, p. 16; may be met by another req	0-3
Skills for a Common Experience and Thinking Across Disciplines		
HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives	See approved list, p. 16	3
Historical Perspectives	See approved list, p. 16	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	See approved list, p. 16; must have at least 2 designators	6-9*
*Must have a total of 9-12 semester hours from these 2 categories		
Intensive Writing	See approved list, p. 16; may be met by other requirement	0-3
Constitution Requirement	See approved list, p. 16; may be met by other requirement	0-3
Subtotal		40-57
Requirements in Major		
SOCL 101 or 201, and 316**, ANTH/SOCL 302, SOCL 516 & 598		15
Additional hours of SOCL		12-18
Additional hours of ANTH***		0-6

Minor	15-24
Foreign Language Requirement	0-4
General Electives	6-36
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 Sociology majors with a minor in Psychology may substitute PSYC 301 (with a grade of C or higher) for SOCL 316 provided they complete an additional course in Sociology. Consult advisers for appropriate courses.

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

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/ANTH courses in residence at Winthrop University.

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 ECON, HIST, MATH, PLSC and PSYC.

Sociology majors are required to enroll in SOCL 316 the first semester after admission to the major, and they may not enroll in more than one SOCL/ANTH course per semester (apart from SOCL 316 or SOCL/ANTH302) until they complete both SOCL 316 and SOCL/ANTH 302 with a grade of C or better. Sociology majors must attain a C or better in SOCL/ANTH302 and SOCL316 to enroll in SOCL516. Sociology majors must attain a C or better in SOCL516 to complete the major. Sociology majors are limited to a total of three hours credit in ANTH 463-464, ANTH 340, SOCL463-464 or SOCL 340 towards the sociology 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		
MATH 105 or 150, 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; ARTS 281 or VCOM 261		3
Oral Communication	See approved list, p. 16; may be met by another req	0-3
Technology	See approved list, p. 16; may be met by another req	0-3
Skills for a Common Experience and Thinking Across Disciplines		
HMPX 102	The Human Experience: Who Am I?	3
Global Perspectives	See approved list, p. 16	3
Historical Perspectives	See approved list, p. 16	3
Developing Critical Skills Applying them to Disciplines		
Natural Science --Select from two categories and one must be a lab science		7
Social Science	3-6 met in major, 3 from another designator	3-6*
Humanities and Arts	Must have at least 2 subject designators	6-9*
*Must have a total of 9-12 hours in these two categories		
Intensive Writing	See approved list, p. 16; may be met by another req	0-3
Constitution Requirement	PLSC 201 recommended	0-3
Subtotal		41-54
Requirements in Major		
SOCL 101 or 201; 227, 316**, ANTH/SOCL 302; SOCL 325, 516, & 598		21
Six hours from: SOCL 330, 335, 337, or 525		6
Additional hours of SOCL		3-6
Additional hours of ANTH***		0-3
(must have a total of 6 hours in SOCL or ANTH electives)		

Minor	15-24
Foreign Language	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 Sociology majors with a minor in Psychology may substitute PSYC 301 (with a grade of C or higher) for SOCL 316 provided they complete an additional course in Sociology. Consult advisers for appropriate courses.

***ANTH hours used toward the Sociology Major can not be counted towards an Anthropology Minor.

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 2.00 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 SOCL/ANTH courses in residence at Winthrop University.

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 ECON, HIST, MATH, PLSC and PSYC.

Sociology majors are required to enroll in SOCL 316 the first semester after admission to the major, and they may not enroll in more than one SOCL/ANTH course per semester (apart from SOCL 316 or SOCL/ANTH302) until they complete both SOCL 316 and SOCL/ANTH 302 with a grade of C or better. Sociology majors must attain a C or better in SOCL/ANTH302 and SOCL316 to enroll in SOCL516. Sociology majors must attain a C or better in SOCL516 to complete the major. Sociology majors are limited to a total of three hours credit in ANTH 463-464, ANTH 340, SOCL463-464 or SOCL 340 towards the sociology major.

Bachelor of Arts in Sociology Concentration in Anthropology

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; ARTS 281 or VCOM 261		3
Oral Communication	See approved list, p. 16; may be met by another req	0-3
Technology	See approved list, p. 16; may be met by another req	0-3
Skills for a Common Experience and Thinking Across Disciplines		
HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives	See approved list, p. 16	3
Historical Perspectives	See approved list, p. 16	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	0-3*
Humanities and Arts	Must have at least 2 subject designators	6-9*
*Must have a total of 9 hours in these two categories		
Intensive Writing	See approved list, p. 16; may be met by another req	0-3
Constitution Requirement	See approved list, p. 16; may be met by other requirement	0-3
Subtotal		41-54
Requirements in Major		33
SOCL 101 or 201; ANTH 201; ANTH 202 or 220; ANTH/SOCL 302; SOCL 316** ANTH 341 or 345;		
SOCL 516 & 598		24-25
ANTH elective		3-6
SOCL elective		3-6
Minor		15-24
Foreign Language		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 Sociology majors with a minor in Psychology may substitute PSYC 301 (with a grade of C or higher) for SOCL 316 provided they complete an additional course in Sociology. Consult advisers for appropriate courses.

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 2.00 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 SOCL/ANTH courses in residence at Winthrop University.

In addition to the 33 semester hours of the required program, the student must select and complete a minor (which may not be Anthropology), 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 ECON, HIST, MATH, PLSC and PSYC.

Sociology majors are required to enroll in SOCL 316 the first semester after admission to the major, and they may not enroll in more than one SOCL/ANTH course per semester (apart from SOCL 316 or SOCL/ANTH302) until they complete both SOCL 316 and SOCL/ANTH 302 with a grade of C or better. Sociology majors must attain a C or better in SOCL/ANTH302 and SOCL316 to enroll in SOCL516. Sociology majors must attain a C or better in SOCL516 to complete the major. Sociology majors are limited to a total of three hours credit in ANTH 463-464, ANTH 340, SOCL463-464 or SOCL 340 towards the sociology major.

SPEECH

Faculty

Professor

Sarah F. Stallings, *Acting Chair*

Instructor

Christa Kea
Bonnye Stewart

Lecturers

Karen Bair
Tanya Duncan
Alena Freeman

Associate Professor

Anne E. Beard

Bachelor of Arts in General Communication Disorders

The Bachelor of Arts in General Communication Disorders provides pre-professional preparation in speech pathology. Students 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 speech clinicians.

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		
MATH 105 or 150, 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; ARTS 281 or VCOM 261		3
Oral Communication	Met by major	0
Technology	See approved list, p. 16; may be met by another req	0-3
Skills for a Common Experience and Thinking Across Disciplines		
HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives	See approved list, p. 16	3
Historical Perspectives	See approved list, p. 16	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, p. 16; must include two designators	6-9*

COLLEGE OF ARTS & SCIENCES--SPEECH/GENERAL COMMUNICATION DISORDERS

Humanities and Arts	See approved list, p. 16; must include two designators	6-9*
*A total of 15 semester hours from these two categories must be taken		
Intensive Writing	See approved list, p. 16; may be met by other requirement	0-3
Constitution Requirement	See approved list, p. 16; may be met by other requirement	0-3
Subtotal		47-57
Requirements in Major		36
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
Foreign Language Requirement		0-4
Requirements in Minor		15-24
General Electives		3-26
Total		124

**Requires combined GPA of 2.5 for these three courses

†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 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.