



**SOUTHWESTERN COLLEGE**  
**2007-2008 CATALOG**

# **Southwestern College**

**Undergraduate Catalog for 2007/2008  
Southwestern College  
Winfield, Kansas 67156-2499  
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[www.sckans.edu](http://www.sckans.edu)**

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This catalog contains information and announcements about the program of Southwestern College. It does not constitute a contract.

# Welcome to Southwestern

## Our Vision

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*Southwestern College in Winfield, Kansas,*

*is a learning community*

*dedicated to*

- intellectual growth and career preparation,*
- individual development and Christian values,*
- lifetime learning and responsible citizenship, and*
- leadership through service in a world without boundaries.*

## The Vision Interpreted

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Southwestern College in Winfield, Kansas, is a learning community...

- challenging each person to search for truth through consistent discipline of the mind.
- stimulating habits of careful reading and listening, clear speaking and writing, critical analysis and creative synthesis, individual thought and collaborative action.
- promoting rigorous intellectual competency within the context of vital interpersonal relationships.

Dedicated to intellectual growth and career preparation...

- emphasizing a broadly-based, value-centered liberal arts curriculum as the core of intellectual life, professional development and personal growth.
- integrating the core curriculum with career planning and preparation for a lifetime of service.
- building academic excellence and leadership potential.

Dedicated to individual development and Christian values...

- challenging each person to creative self-expression, aesthetic appreciation, freedom of thought, and responsible action.
- inviting students to explore ultimate reality; honoring the spiritual nature of human existence; affirming Christian values as central to an ethical, caring and inclusive community life.
- defining its historic commitment to community, freedom and diversity within a covenant relationship to the Kansas West Conference of the United Methodist Church.

Dedicated to lifetime learning and responsible citizenship...

- promoting responsible citizenship through active learning, professional growth and volunteer service.
- building wholeness, health and athletic abilities for lifetime physical fitness.
- encouraging lifelong intellectual and personal growth.

Dedicated to leadership through service in a world without boundaries...

- fostering opportunities for service in personal, family and professional life.
- recognizing the inherent worth of each person, the need for personal and social responsibility, the interdependence of all peoples, and the requirements of the age for justice and responsible living on the earth.
- inviting graduates to accept leadership roles in the emerging global community.

## The Mission of Southwestern College

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Southwestern College is a private institution of higher education directed by a Board of Trustees and related historically and by covenant to the Kansas West Conference of the United Methodist Church. Founded in 1885, it offers bachelor's and master's degrees.

Southwestern College:

- Sets standards for admission that expect the successful completion of specific pre-college requirements.

- Requires students to participate in a general education program that is congruent with the liberal arts: oral and written communication skills; creativity; wellness; historical, cultural, and environmental understandings.
- Welcomes students who have begun their studies at other colleges or universities and sets policy to let those credits transfer readily to Southwestern.
- Offers programs leading to baccalaureate degrees that serve as foundations to professional development, graduate study, and certification in selected areas.
- Offers specific programs for degree completion, and encourages those employed full time to continue their learning.
- Offers programs for the emerging learning society that stress enrichment, enhancement, and personal growth.
- Invites students to live in its residential community and participate in activities that enhance development of interpersonal relations and leadership potential.
- Challenges students to take responsibility for the future of society, and affirms the role of individual Christians in shaping a world that preserves honesty and integrity and nurtures communities of service and care.
- Operates solely within the limits of income from tuition and fees and financial gifts from alumni and friends.

## History

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Southwestern College was chartered June 19, 1885, by the Methodists of Kansas as “an institution of learning of full collegiate powers.” It opened its doors for forty-three students on September 7, 1886. The first name of the college was “The Southwest Kansas Conference College”; the name “The Southwestern College” was adopted November 5, 1908.

Always strong in the arts, the music program was augmented by the merger, in 1926, of the Winfield College of Music with the college.

The campus facilities were seriously affected in 1950 by a fire which destroyed the interior of the administration building. The reconstruction of this building and the subsequent erection of new academic facilities have provided the college with a modern campus to support its program.

Major steps were taken in 1994 to develop a professional studies program with the opening of a center in downtown Winfield. During 1996-98, two additional centers were opened in the city of Wichita.

A graduate program in education, begun in 1986, lets students earn a master of education degree or elect to take courses for professional or personal development. A graduate program in business, begun in 2000, offers the master of business administration degree. Additional graduate programs offered both through professional studies and in fifth-year campus programs lead to the master of arts in specialized ministry and the master of science in leadership. Professional studies learners can earn the master of science in leadership or the master of science in security administration.

Southwestern is a comprehensive college of approximately 1,700 students and 50 full-time teaching faculty members. It offers multiple programs on campus and selected programs for working adults through its professional studies centers.

## Accreditation

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Southwestern College is accredited by The Higher Learning Commission and is a member of the North Central Association, [www.ncahigherlearningcommission.org](http://www.ncahigherlearningcommission.org), (312) 263-0456.

It is further accredited by the University Senate of the United Methodist Church, the Commission on Collegiate Nursing Education and the Kansas State Board of Nursing (nursing), the National Association for the Education of Young Children (early childhood education), the National Association of Schools of Music (music), and the National Council for Accreditation of Teacher Education and the Kansas State Department of Education (teacher education program). The college’s athletic training programs are accredited by the Commission on Accreditation of Athletic Training Education. Southwestern students find credits taken here fully accepted in undergraduate and graduate schools across the nation.

Southwestern College is in compliance with federal regulations on disbursement of Title II information. Full information is provided in Appendix A.

## **Title II Compliance**

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Southwestern College is in compliance with federal regulations on disbursement of Title II information. Full information is provided in Appendix A.

# Academic Information

## Degrees Offered

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Southwestern College confers the following degrees:

B.A., Bachelor of Arts

B.G.S., Bachelor of General Studies

B.Mus., Bachelor of Music

B. Phil., Bachelor of Philosophy

B.S., Bachelor of Science

B.S.N., Bachelor of Science in Nursing

M.A.S.M., Master of Arts in Specialized Ministries

MBA, Master of Business Administration

M.Ed., Master of Education

M.S.L., Master of Science in Leadership

M.S.M., Master of Science in Management

M.S.S.A., Master of Science in Security Administration

Students seeking a degree must fulfill all requirements as listed in this catalog. A second degree requires a minimum of 30 additional semester hours of credit.

### Selection of Catalog

In most cases, students will meet graduation requirements stated in the catalog under which they first enter Southwestern College. When graduation requirements change, students may adhere to the ones listed in the catalog under which they first entered, or they may optionally select the newer catalog and follow those requirements. In either case, general education and major requirements must both be met from the same catalog. Students who leave Southwestern but re-enroll having missed no more than two terms (counting fall, spring, and summer as terms) may follow the catalog under which they were previously enrolled. Readmitted students must follow the catalog of the year they resumed their studies at Southwestern College, or they may optionally select a newer catalog and follow those requirements.

### Declaration of Major

Freshmen may declare majors if they wish, or work within the general curriculum. During the sophomore year, all students are encouraged to declare a major. Declaration of a major is made at the registrar's office.

### Declaration of Minor

Students may declare minors in certain disciplines. For specific requirements and procedures students should see the appropriate discipline listing in this catalog or should contact faculty in the discipline. Declaration of a minor is made at the registrar's office.

### Changing Majors

A student wishing to change majors must submit a completed Change of Major form to the registrar's office. The student must assume the responsibility for any extra credits that may be involved in meeting the requirements of the new major.

## Academic Advising

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Academic advising is an important part of the educational process at Southwestern.

### Advising for Freshmen

Freshmen are assigned a general advisor who will assist the student in the transition to college life. The student will have an ongoing relationship with the general advisor, meeting during orientation, course selection, selected social events, and various other times throughout the freshman year. Transfer students who enter with fewer than 24 hours participate in the same advising program.

### **Advising After the Freshman Year**

During the sophomore year, the student selects a major advisor to assist with course selection and other matters for the remainder of the student's educational experience at Southwestern.

# **Requirements for Graduation**

## **Degree Requirements**

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These are the requirements for a degree:

1. Complete the specific course requirements for a major field of study together with required cognate courses, with a minimum grade point average of 2.0 (C) in those courses required by each major, minor, or secondary licensure to be granted.
2. Complete the general education requirements.
3. Complete a minimum of 124 credit hours.
4. Have an overall grade point average of 2.0 (C average) or meet program grade point average requirements.
5. Have Southwestern College course credit of at least 30 credit hours.
6. Have taken 15 of the last 30 course credit hours at Southwestern (waived for professional studies learners who are active duty military personnel under an SOC agreement).
7. Be elected to the respective degree by the faculty and by the Board of Trustees.

## **Degree Requirements for Transfer Students**

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1. Complete all items listed above.
2. Regardless of grade points earned at other institutions, have at least a "C" average for all work taken at Southwestern College.
3. For students transferring from two-year colleges, complete a minimum of 60 hours at a baccalaureate degree-granting institution.
4. Accept the judgment of school administrators in substituting transfer credits for courses in the Southwestern College catalog.



# General Education

The general education curriculum at Southwestern College is designed to lead students toward outcomes aligned with the mission of Southwestern College. The mission statement emphasizes liberal arts education, professional development, and personal growth. The goals of general education requirements at Southwestern College are to provide students with fundamental academic skills, ground students in multiple disciplinary perspectives, and challenge students to integrate and apply their learning to real world concerns. The general education requirement consists of 33 credit hours. Students may complete general education requirements at any time during their course of study, with the exceptions of the composition sequence LAS 110 and LAS 120, which should be taken during a student's first year of study, and the capstone course LAS 499, which should be taken during a student's final year of study. In addition, students are urged to pursue extracurricular learning opportunities through service and leadership activities.

## Outcomes and Disciplinary Perspectives of General Education

### Outcomes:

1. **Written and oral communication.** Communicating effectively using reading, writing, listening, behavior, media, quantitative data, and technology.
2. **Quantitative literacy.** Using mathematical tools to solve problems.
3. **Individual and social responsibility.** Understanding how to uphold the well-being of one's self and society.
4. **Emphasis on inquiry, critical and creative thinking.** Formulating questions. Analyzing information and complex issues from multiple disciplinary perspectives to arrive at reasoned decisions. Valuing and producing thought or work that is characterized by its inventiveness, expressiveness, or originality.
5. **Respect for cultural diversity.** Understanding the complex identities of others, their histories, and their cultures.
6. **Ethical reasoning.** Conscientiously practicing accepted standards of fairness and integrity.

### Disciplinary Perspectives:

- **Natural Science.** Courses within the general education curriculum that expose students to the process, results, and limitations of scientific inquiry, and the relationship between science and society.
- **Social Science.** Courses within the general education curriculum that provide students with a means to understand ourselves, others, and the forces that shape society.
- **The Humanities.** Courses within the general education curriculum that help students explore models and methods for addressing dilemmas and acknowledging truth, ambiguity, and paradox while focusing on the study of the stories, the ideas, and the words that help us make sense of our lives and our world.
- **The Arts.** Courses within the general education curriculum that foster imagination and skill in the creation of aesthetic objects, environments, or experiences that manifest the vision of the artist for the purpose of self-expression or shared experience.
- **Other Cultures.** Courses within the general education curriculum that provide students with the means and methods to understand the interrelations within and among cultural and global communities.

## General Education Requirements

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A student must complete the following general education requirements to be eligible for graduation:

### Basic Skills:

Composition, six hours:

LAS 110 College Writing 1 and LAS 120 College Writing 2

Speech, three hours:

COMM 102 Elements of Oral Communication

Mathematics, three hours:

MATH 110 College Algebra or MATH 215 Statistics or higher level math course

Health, three hours:

PESS 205 Critical Issues in Health

### Disciplinary Perspectives:

Courses satisfying Disciplinary Perspective requirements cannot be counted toward a student's major course of study, but may be used to satisfy the requirements of a minor, or cognate requirements for a major course of study.

Natural Science, three or more hours:

NSCI 170 Elements of Descriptive Astronomy

NSCI 180 Science, Society, and the Environment

NSCI 201 Environmental Issues

NSCI 230 Drugs: Research and Reward

NSCI 280 History of Science

Social Science, three or more hours:

ANTH 101 Introduction to Physical Anthropology

HIST 121 World History to 1500

HIST 122 World History Since 1500

HIST 131 American History to 1865

HIST 132 American History Since 1865

POLS 101 Introduction to Political Science

POLS 222 International Relations

POLS 241 Comparative Politics

PSYC 112 General Psychology

SOCS 101 Introduction to Leadership

The Humanities, three or more hours:

COMM 208 Critical Thinking and Argumentation

ENG 202 Language, Literature and Humanity

LAS 262 Science Fiction Television

PHIL 101 Introduction to Philosophy

PHIL 219 History of Philosophy 1

PHIL 220 History of Philosophy 2

PHIL 227 Logic

REL 201 Judeo-Christian Tradition

REL 225 Comparative Religions

The Arts, three or more hours:

COMM 211 Introduction to the Cinema

LAS 150 Creativity in the Arts

MUS 111 Foundations in Music

THTR 111 The Theatre Experience

Other Cultures, three or more hours:

COMM 348 International Cinema: Western Culture

COMM 349 International Cinema: Asian Culture

HIST 222/ANTH 222 North American Indian Cultures

HIST 342 Russian History

HIST 343 Russian Cultural History

### Senior Capstone Experience:

Senior capstone course, three hours:

LAS 499 Responsibility for the Future or approved alternative

## **General Education Requirements for Transfer Students**

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Transfer students must provide an official transcript of coursework done at other institutions to apply those hours toward general education requirements at Southwestern College. Only transfer hours with a grade of “C” or better will be counted. The registrar, following guidelines set by the academic divisions, determines which credits from other institutions satisfy general education requirements at Southwestern College.

Students may appeal the registrar’s decision not to count transfer credits toward general education requirements by petition to the director of general education, whose decision on the matter (after consultation with the academic dean, if necessary) shall be final.

Only hours successfully completed and/or degrees earned at institutions recognized by the Council for Higher Education Accreditation (CHEA) may be considered. Southwestern College does not recognize credit for varsity athletics or remedial coursework.

Any exception to the above requirements must be approved by the director of general education.

# Majors and Course Offerings

Southwestern College's curriculum provides opportunity for depth of study in a specific interest area as well as breadth of study enabling the student to encounter significant human questions. While some programs are structured to achieve specific vocational objectives, others are diversified for a variety of life planning goals. There is latitude for a student with comprehensive intellectual interests to pursue an individually structured program of general studies.

The organization of each major or program of study includes a core of essential major courses to develop a basic understanding of the chosen field. Clustered around this core may be a group of cognate courses from other departments chosen to emphasize relationships between disciplines.

In addition to the specific program requirements, students are urged to elect courses relating to cultural development and personal interests. These choices may grow out of the student's intellectual curiosity and broad commitment to the human community.

At each course level, the following numbers are reserved for the type of courses indicated.

- 51 - independent study
- 52 - readings
- 53 - problems
- 54 - projects
- 55 - topics
- 58 - special literature study
- 59 - practicum
- 60 - internship
- 61 - seminar
- 70 - field experience
- 71 - workshop

## Anthropology

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### Minor in Anthropology

#### Minor requirements:

In Anthropology:

- 219 Cultural Anthropology
- 222 North American Indian Cultures
- 325 Research Methods
- 352 Readings in Anthropology
- 355 Topics in Anthropology
- 415 Theories of Culture

### Anthropology Courses

Department Code: ANTH

- 101 Introduction to Physical Anthropology.** Emphasis on the cooperative (rather than adversarial) relationship possibilities between science and religion, specifically between evolution and the creation accounts in the early chapters of Genesis. Consideration of the processes of biological evolution, and examination of the steps in hominin/human evolution over the past six million years. Credit 3 hours.
- 219 Cultural Anthropology.** A study of culture, its diverse forms and the meaning of cultures to contemporary people. Credit 3 hours.
- 222 North American Indian Cultures.** An ethnology course covering the culture areas and selected tribes of Native Americans at the time of first contact with Europeans. Some consideration of problems of acculturation is included. Cultural Anthropology recommended but not required as a prerequisite. Cross-listed with History. Credit 3 hours.

- 325 Research Methods.** An introduction to the theory and methodology of social science research with emphasis on experimental design, data collection, statistical analysis, and report writing. Each student will actively participate in all four phases of the research process. Lecture and laboratory. Prerequisite: MATH 215. Credit 4 hours.
- 340 Language: Structure and Meaning.** Basic information about analysis and description of human languages and ways in which human beings use their languages to communicate with one another. Cross-listed with English. Credit 3 hours.
- 415 Theories of Culture.** A study of theories of culture stressing the development of anthropological thought and current trends. Credit 3 hours.

## Art

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### Minor in Art

#### Minor requirements:

In Art:

- 123 Basic Drawing
- 215 Painting Studio 1
- 236 Ceramics

Nine hours selected from:

- 205 Introduction to Photography
- 212 Stained Glass
- 216 Composing with Paint Programs
- 227 Advanced Drawing
- 336 Ceramics

### Art Courses

Department Code: ART

- 103 Graphic Design.** The course will cover the basic design principles of layout, color, and typography. Class time will be spent on discussions, lectures, critiques, individual meetings, and work sessions. Cross-listed with Communication. Credit 3 hours.
- 123 Basic Drawing.** Various approaches to drawing such as contour, gesture, shading, and perspective, with the use of such tools as graphite, charcoal, ink, etc. Credit 3 hours.
- 205 Introduction to Photography.** A study of camera, film, composition, light and lighting, flash and the principles of photojournalism as it relates to storytelling. Building a portfolio is included. Cross-listed with Communication. Credit 3 hours.
- 212-213 Stained Glass.** A course utilizing copper foil lead techniques with multicolored glass to create traditional and innovative designs. Credit 3 hours.
- 215 Painting Studio 1.** The practice of painting techniques. Several media such as acrylic, oil, water color, and mixed media. Credit 3 hours.
- 216 Composing With Paint & Draw Programs 1.** The application of art, illustration and graphic design principles using paint and draw programs such as Adobe Photoshop, Adobe Illustrator and Macromedia Flash. Focus on art work for screen-based and print-based media. Cross-listed with Communication. Credit 3 hours.
- 221 Sculpture.** Sculptural possibilities explored through disciplined application of form principles in a variety of materials ranging from paper, clay and stone to woods and fabrics and metal-jewelry techniques. Credit 3 hours.
- 223 Art in the Elementary School.** Lecture and workshop course. The lectures would consider the meaning of creativity in elementary education and the several stages of self-expression. The workshop portion of this course will consist of an introduction to and the use of basic art materials which might be used by the elementary teacher. Credit 3 hours.
- 227 Advanced Drawing.** Advanced principles of drawing utilizing a variety of drawing mediums. Prerequisite: ART 123. Credit 3 hours.
- 236-336 Ceramics.** A shop class in pottery-making. Hand-building and throwing. Credit 3 hours.
- 316 Composing With Paint & Draw Programs 2.** A continuation of ART 216. Cross-listed with Communication. Prerequisite: ART 216. Credit 3 hours.

## Biology

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See also Marine Biology.

Biology investigates life processes at the molecular, cellular, organismal, population, and ecosystem levels. Biology is a science that demands a knowledge and application of chemical, physical and mathematical principles. The study of biology helps all students to understand the nature of science and the process of scientific inquiry.

Southwestern College's biology department offers a balanced program in field and laboratory science. Students have the opportunity to develop close working relationships with biology professors in the classroom, laboratory, and in the field.

The curriculum is inclusive of a wide range of sub-disciplines that challenges students and empowers them to acquire the concepts and scientific problem-solving skills necessary to pursue careers in research, the health professions, education, environmental science, conservation, and other related fields. It provides students with a solid foundation of biological principles and at the same time offers students of varied backgrounds the opportunity to explore specialized topics that meet their needs and interests. The biology curriculum at Southwestern College also assists in meeting specific needs of other disciplines and serves preparatory programs in secondary teaching and nursing.

A number of the courses in the curriculum focus upon the investigative nature of biology. Lectures and discussions examine the interpretation of data, experimental design, and specific readings from the scientific literature. Laboratory and field work emphasize experimentation, student designed projects, and class projects.

### **B.S., Major in Biology**

#### **Major requirements:**

At least 35 hours in Biology to include:

- 111 Biology 1
- 112 Biology 2
- 216 Cell Biology
- 230 Genetics and Evolution
- 461 Seminar in Biology
- 463 Research Design

One of the following laboratory courses:

- 305 Marine Biology
- 306 Freshwater Biology
- 336 Ecology

#### **Cognate requirements:**

In Chemistry:

- 111 General Chemistry 1
- 112 General Chemistry 2
- 221 Organic Chemistry 1

In Physics:

- 201 College Physics 1 and 202 College Physics 1 or
- 211 General Physics 1 and 212 General Physics 2

In Mathematics:

- 215 Introduction to Statistics

### **B.A., Major in Biology**

#### **Major requirements:**

A minimum of 25 hours in Biology to include:

- 111 Biology 1
- 112 Biology 2
- 216 Cell Biology
- 230 Genetics and Evolution

One of the following laboratory courses:

- 305 Marine Biology

306 Freshwater Biology

336 Ecology

**Cognate requirements:**

In Chemistry:

111 General Chemistry 1

**Secondary Licensure in Biology**

**Requirements:**

In Biology:

111 Biology 1

112 Biology 2

216 Cell Biology

221 Human Anatomy and Physiology

230 Genetics and Evolution

336 Ecology

In Chemistry:

111 General Chemistry 1

In Psychology:

301 Human Sexuality

In Natural Sciences:

280 History of Science

All requirements for Kansas teacher licensure as listed in the Education section of this catalog.

**Biology Courses**

**Department Code: BIOL**

- 111 Biology 1.** The Unity of Life. Fundamental principles of prokaryotic and eukaryotic life. An examination of life processes from the molecular to the ecological level. Lecture and laboratory. Credit 4 hours.
- 112 Biology 2.** The Diversity of Life. Evolutionary diversity of eukaryotes, with an emphasis on animals and plants. Animal and plant structure and function. Lecture and laboratory. Credit 4 hours.
- 216 Cell Biology.** A study of structure and function at the molecular, organelle, and cellular levels of organization. The course will examine in detail the major cellular processes in eukaryotic cells. Lecture and laboratory. Prerequisites: BIOL 111 and CHEM 111, or consent of instructor. Credit 4 hours.
- 221 Human Anatomy and Physiology.** An introduction to the structure and function of the human body. Designed for students in various fields, requiring a basic but comprehensive knowledge of human anatomy and physiology. Lecture and laboratory. Prerequisite: BIOL 111 or equivalent. Credit 5 hours.
- 230 Genetics and Evolution.** An examination of the fundamentals of transmission, population and molecular genetics, and the principles of organic evolution. Lecture and laboratory. Prerequisite: BIOL 111 or consent of instructor. Credit 4 hours.
- 305 Marine Biology.** An introduction to the diverse array of marine organisms and marine habitats. Examination of the ecology of oceans from the intertidal to the deep sea. Emphasis upon adaptations to environmental factors and ecological relationships. Lecture and laboratory. Prerequisite: BIOL 111 and BIOL 112, or consent of instructor. Credit 5 hours.
- 306 Freshwater Biology.** An introduction to the biology found in streams, rivers, and lakes, and the role that biological, physical, and chemical factors play in determining the abundance and distribution of freshwater organisms. Field investigations are a significant component of the laboratory for this course, providing an opportunity to learn various techniques of sampling freshwater habitats. Lecture and laboratory. Credit 5 hours.
- 310 Developmental Biology.** The study of patterns of development, mechanisms of cellular differentiation, and cellular interactions in development in animals and plants. Examination of the cellular, molecular, and genetic mechanisms governing these processes. Lecture and laboratory. Prerequisite: BIOL 216 or consent of instructor. Credit 5 hours.
- 321 Cadaver Dissection.** Advanced training in gross human anatomy and dissection techniques. Students will perform selected dissections on a human cadaver specimen. Prerequisites: BIOL 221 or 243 and consent of instructor. Graded S/U. Credit 1 to 2 hours. Can be repeated for a maximum of 4 credit hours.

- 322 Animal Behavior.** An examination of the different approaches and methodologies used to study animal behavior. Specific topics for discussion will include foraging, reproduction, parental care, communication, and sociality. Prerequisite: BIOL 111 or 112 or consent of instructor. Credit 5 hours.
- 325 Animal Physiology.** A general and comparative examination of the major functional systems in animals. Emphasis upon regulatory mechanisms underlying physiological processes. Physiological adaptations at the cellular, molecular, and organ-system levels will be explored. Lecture and laboratory. Prerequisite: BIOL 216 or consent of instructor. Credit 5 hours.
- 331 Principles of Nutrition.** Utilization of basic nutrients throughout the life cycle. Emphasis on community nutrition and diet therapy. Prerequisite (or concurrent enrollment): BIOL 221 or consent of instructor. Credit 3 hours.
- 334 Microbiology.** An introduction to the study of microorganisms with emphasis on bacteria. Lecture and laboratory. Prerequisite: BIOL 111 or consent of instructor. Credit 5 hours.
- 336 Ecology.** The relation, formation, and associations of animals and plant communities. Lecture and laboratory. Prerequisites: BIOL 111 and 112. Credit 5 hours.
- 352 Readings in Biology.** An independent study course in the biological sciences for reading in specific and advanced fields of study. Open to students of junior/senior standing with 8 or more hours in biology. Prerequisite: Consent of instructor. Graded S/U. Credit 1 to 2 hours.
- 353 Problems in Biology.** An independent study course in the biological sciences that utilizes one or more components of the scientific method in conducting field or laboratory research: literature review, development of methodologies, data collection, data analysis and/or the writing of a scientific paper. Open to students of junior/senior standing with 8 or more hours in biology. Prerequisite: Consent of instructor. Graded S/U. Credit 1 to 2 hours.
- 390 Pathophysiology.** This is a foundational course in the study of physiologic and pathologic concepts of human homeostasis and alterations in homeostasis. It focuses on rationales for adaptations of human functioning to stressors and altered health states. It provides a basis for understanding alterations in functioning imposed by disease processes so that application to understanding clinical presentations can be made. Anatomy and Physiology, Chemistry, and other supplementary science courses may provide a foundational knowledge bases for this course. Prerequisite: BIOL 221. Credit 4 hours.
- 430 Biochemistry.** An introduction to the structure and function of biomolecules. Emphasis on proteins and carbohydrates. Protein structure, enzyme kinetics, and regulation are studied as are carbohydrates and their metabolism. Structure of lipids, steroids, and nucleic acids are taught; a brief time is given to their synthesis and reactions within the cell. Prerequisites: CHEM 111, 112, 221, and either 222 or consent of instructor. Cross-listed with Chemistry. Credit 5 hours.
- 461 Seminar in Biology.** While content will vary from year to year, the general theme of this seminar will be evolutionary biology. Credit 1 hour.
- 463 Research Design.** This course will cover aspects of biological research including research opportunities, library and computer resources, data reduction and analysis, scientific writing, and illustration techniques. Each student will choose a research advisor or off-campus internship and submit a research proposal for departmental approval. Credit 1 hour.
- 464 Senior Research.** Library research, development of methodologies, data collection, data analysis, and writing of the scientific paper. Prerequisite: BIOL 463. Credit 3 hours.

## Business Administration

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The Business Administration Division offers the bachelor of arts and bachelor of science degrees in three different major areas that include a core of foundation courses. The curriculum in these major areas reflects the current and projected needs of the global business community and will prepare graduates to address the challenges of leadership in the rapidly changing world of business. Students pursuing a major in business administration may also choose an optional area of emphasis.

Students whose major or minor is within the Business Administration Division must earn a grade of “C” or better in each course taken within the division (ACCT, BUS, ECON) to meet graduation requirements.



**Core requirements:**

In Business:

- 210 Business Communications
- 318 Quantitative Methods for Business
- 322 Management
- 393 Legal and Ethical Environment of Business
- 394 Marketing
- 395 Corporate Finance
- 497 Business Strategy and Policy (Capstone)

In Economics:

- 101 Principles of Microeconomics
- 102 Principles of Macroeconomics

In Accounting:

- 281 Financial Accounting
- 283 Managerial Accounting

**Cognate requirements:**

In Computer Science and Digital Arts:

- 110 Introduction to Computer Systems
- 320 Database Management Systems 1

In Mathematics:

- 110 College Algebra
- 215 Introduction to Statistics

All requirements of one major area below:

**B.A., Major in Accounting**

**Major requirements:**

In Accounting

- 385 Tax Accounting 1
- 386 Cost Accounting
- 391 Intermediate Accounting 1
- 392 Intermediate Accounting 2
- 445 Auditing
- 448 Tax Accounting 2

Six additional hours of 300-level or above of courses within the division.

**Minor in Accounting**

**Minor requirements:**

In Accounting

- 281 Financial Accounting
- 283 Managerial Accounting
- 385 Tax Accounting 1
- 386 Cost Accounting
- 448 Tax Accounting 2

Nine additional hours of accounting courses of 300-level or above (including BUS 497)

**B.A., Major in Business Administration**

**Major Requirements:**

In Business

- 326 Investments
- 327 Consumer Behavior
- 328 Organizational Behavior
- 445 Management Decision Making

Six additional hours of 300-level or above from courses within the division.

**Optional area of emphasis:**

**Emphasis in Finance**

**Requirements:**

In Business:

- 329 Money and Banking

331 Risk Management

Six additional hours of 300-level or above from courses within the division not part of core curriculum or major.

### **Emphasis in Management**

#### **Requirements:**

In Business:

329 Money and Banking

390 Operations Management

Six additional hours of 300-level or above from courses within the division not part of core curriculum or major.

### **Emphasis in Marketing**

#### **Requirements:**

In Business:

315 Sales

432 Marketing Strategies

Six additional hours of 300-level or above from courses within the division not part of core curriculum or major.

### **Minor in Business Administration**

#### **Minor requirements:**

In Accounting:

281 Financial Accounting

In Business:

322 Management

394 Marketing

In Economics:

101 Principles of Microeconomics

Nine additional hours of 300-level or above from courses within the division. All prerequisites for courses must be met.

### **Secondary Licensure in Business Education**

#### **Requirements:**

In addition to the requirements for the B.A. in Business Administration major, the student will be required to satisfy all the requirements for Kansas teacher licensure as listed in the Education section of this catalog.

### **B.S., Major in Business and Computer Information Systems**

#### **Major requirements:**

In Business:

459 Practicum (minimum 3 hours) or 460 Internship (minimum 6 hours)

#### **Cognate requirements:**

In Computer Science and Digital Arts:

112 Programming 1

211 Basic Information and Web Site Design

212 Programming 2

306 Visual Basic Programming

320 Database Management Systems 1

324 Computer Networks & Concepts

440 Decision Support Systems

### **Accounting Courses**

**Department Code: ACCT**

**281 Financial Accounting.** Emphasizes basic concepts and their application in transaction analysis and financial statement preparation, and analysis of financial statements. Course procedures will include group interaction, written assignments, and written examinations. Credit 3 hours.

**283 Managerial Accounting.** The study of accounting in terms of management's information requirements. Emphasizes the use of accounting information to assist management in planning, analyzing and implementing business decisions and activities. Course procedures include group

interaction, written assignments, completion of cases and written examinations. Prerequisite: ACCT 281. Credit 3 hours.

- 330 Accounting/Financial Information Systems.** A study of the concepts of information systems, their design and operation and the relationship of these concepts to the economic information requirements, information flows, decision criteria and control mechanisms in the business organization. Course procedures include group interaction, written assignments, completion of cases and papers and written examinations. Prerequisite: ACCT 283. Credit 3 hours.
- 331 Not-for-Profit Accounting.** An expansion of accounting concepts and practices relating specifically to not-for-profit and governmental entities. Course procedures include group interaction, written assignments, completion of papers and cases and written examinations. Prerequisite: ACCT 283. Credit 1 hour.
- 385 Tax Accounting 1.** Emphasis will be on discussing and recognizing the major tax issues inherent in business and financial transactions. Focus will be on the fundamental concepts, the mastery of which provides a permanent frame of reference for future study of advanced tax topics. The course will stress that an understanding of taxation is not only relevant but critical to the student's success in the business world. Prerequisite: ACCT 283. Credit 3 hours.
- 386 Cost Accounting.** The use of accounting information to assist management in planning, analyzing and operational control in contemporary business contexts. Course procedures include group interaction, written assignments, completion of papers and cases and written examinations. Prerequisite: ACCT 283. Credit 3 hours.
- 391 Intermediate Accounting 1.** A thorough study of conceptual and technical aspects of financial accounting and reporting. Emphasizes recognition and measurement problems of income determination and balance sheet presentation. Course procedures include group interaction, written assignments, completion of papers and cases and written examinations. Prerequisite: ACCT 283. Credit 3 hours.
- 392 Intermediate Accounting 2.** A continuation of 391. Course procedures include group interaction, written assignments, completion of papers and cases and written examinations. Prerequisite: ACCT 391. Credit 3 hours.
- 445 Auditing.** A study of the auditor's attest function, including auditing standards and procedures, independence, legal responsibilities, codes of ethical conduct and evaluation of accounting systems and internal control. Course procedures include group interaction, written assignments, completion of cases and papers and written examinations. Prerequisite: ACCT 392. Credit 3 hours.
- 446 Advanced Accounting.** An expansion of accounting concepts and practices relating to consolidation of statements and partnerships. Course procedures include group interaction, written assignments, completion of cases and papers and written examinations. Prerequisite: ACCT392. Credit 3 hours.
- 448 Tax Accounting 2.** Emphasis will be on advanced strategies in taxation. The course will explore the tax consequences of many sophisticated business, financial, and personal wealth-planning transactions as tax efficient as possible to all parties involved. Tax strategies are analyzed in terms of their impact on net cash flows and on the income statements and balance sheets of the transacting parties. Prerequisite: ACCT 385. Credit 3 hours.

### Business Courses

#### Department Code: BUS

- 210 Business Communications.** Course focuses on audience-oriented communication in the corporate culture. Oral and written communication forms, created with a corporate audience in mind, will be practiced using PowerPoint and other visual aids. Emphasis will be on developing and demonstrating communication skills, both singularly and in groups. Course procedures include oral and written communications, group interaction in class, and group project. Cross-listed with English and Communication. Prerequisites: LAS 110 and 120. Credit 3 hours.
- 220 Introduction to Sport Management.** This course is designed to provide an overview of the structure of the sports industry and to highlight the scope and variety of career opportunities in the area. The value of professional management to sports organization will also be emphasized. Attention will be given to the issues facing sport organizations and to the use of management techniques to solve business-related problems. The development of effective communication skills, both written and oral, will be emphasized through class presentations and written assignments. Cross-listed with Physical Education and Sport Studies. Credit 3 hours.
- 315 Sales: The Influence Management Process.** This course is designed to examine sales as the indispensable element in the marketing mix which creates a proactive response with customers. The problem-solving approach which increases productivity and organizational effectiveness will be

discussed in detail. Course procedures include oral and written communications, group interaction in class, and major presentations. Credit 3 hours.

- 318 Quantitative Methods for Business.** An introduction to the quantitative reasoning required in business and economics. The course includes the study of basic algebraic functions, differential calculus, descriptive measures, sampling distributions, estimation and hypothesis testing with emphasis on applied problems in business and economics. Additional topics may include linear programming techniques, linear and multiple regression analyses and the introduction of structural modeling techniques in the solution of business problems. The coursework requires extensive research, case studies, oral and written presentations and group interaction. Prerequisites: MATH 110 and 215. Credit 3 hours.
- 320 SIFE (Students in Free Enterprise).** Students will meet weekly in a common class to generate and define free enterprise educational outreach projects. Students will work outside of class to develop and implement these projects within the community. Projects must fall into one of four categories: Business and Professional Ethics, Personal Financial Success Skills, Entrepreneurship, Free Market Economics Principles. Through these project activities students will learn and apply the fundamental principles of the free enterprise system in a service learning environment. Students will have the opportunity to travel and present the effectiveness of their projects in competition against other colleges and universities. Credit 1 hour. May be repeated for credit.
- 322 Management.** Course is designed to establish a foundation of sound management skills for future business leaders. Managing communication, people, quality, and economic change will highlight this human resource development process. Course procedures include oral and written communication, group interaction, and major presentations. Credit 3 hours.
- 326 Investments.** The course covers the principles of securities analysis and valuation from the perspectives of the individual and institutional investor. Emphasis is placed on portfolio theory and modern philosophies of portfolio analysis and selection. Topics include stocks, bonds, mutual funds, derivatives, international trading, and the organization and functions of the securities markets and the SEC. Prerequisites: BUS 318 and 395. Credit 3 hours.
- 327 Consumer Behavior.** A study of the buyer's information acquisition, evaluation, purchasing and post-purchasing evaluation process. Emphasis is placed upon social psychological theories and their implications on the understanding and prediction of consumers' behavior. The student will apply behavioral science concepts to the problems of planning, pricing and promotion decision. Prerequisites: BUS 318 and 394. Credit 3 hours.
- 328 Organizational Behavior.** Individual and work group behavior in organizations. Exercises in the dynamics of power, developing leadership, facilitating quality and change, and interpersonal communication skills will be emphasized. Course procedures include oral and written communications, group interaction in class, and a major presentation. Cross-listed with Psychology. Credit 3 hours.
- 329 Money and Banking.** The course topics include the study of contemporary money and banking concepts including the role of money in the domestic and world economies, government regulation of the money supply, banking systems and the role of the Federal Reserve Bank. The course may include guest speakers, case studies, extensive research and development of oral and written presentations and group interaction. Prerequisites: BUS 395 and ECON 102. Credit 3 hours.
- 330 Real Estate.** This is an introductory course in the fundamentals of real estate including property rights, ownership, financing, brokerage, investing and home buying and selling. The course also includes a survey of the various kinds of deeds and conveyances, mortgages, liens, rentals, appraisals and other types of real estate transactions. The course will include guest speakers, extensive research requirements, oral and written presentations and group interaction. Prerequisites: BUS 393, 394, and 395. Credit 3 hours.
- 331 Risk Management.** The course covers the concepts of risk and risk management, what insurance is and how it is distributed to the public, essential insurance terms and concepts, various insurance products, the importance of risk management and insurance to business and society. The course will include guest speakers, a survey of career opportunities in risk management, case studies, oral and written presentations and group interaction. Prerequisite: BUS 318. Credit 3 hours.
- 332 Project Management.** An introductory course in project management including quantitative techniques such as PERT/CPM, simulations, decision trees as well as the development of project proposals, project monitoring and project evaluation. The course requirements include substantial use of computerized planning and scheduling modules, case studies, oral and group presentations, and group interaction. Prerequisite: BUS 318. Credit 3 hours.

- 333 Advertising.** The course will deal with the use of advertising and public relations elements in a promotional program. The emphasis will be on the efficient use of an organization's resources to accomplish communication goals through effective promotional strategy. The student will study the communication process and how information is processed by the receiver, determination of promotional objectives, promotional budgets, media decisions, measuring the effectiveness of promotional campaigns. The ultimate goal of the course is to provide students the tools necessary to devise and evaluate advertising and marketing communications programs for any given product, service or idea. Prerequisites: BUS 318 and 394. Credit 3 hours.
- 344 Sport Marketing.** Course is designed to develop an understanding and appreciation of the unique aspects of marketing as related to sport. Cross-listed with Physical Education and Sport Studies. Credit 3 hours.
- 390 Operations Management.** The use of quantitative methods in the decision-making process. Topics include regression analysis, forecasting, linear programming, quality control and continuous improvement, and scheduling. Course procedures include quantitative methods. Prerequisites: MATH 110 and 215, or consent of instructor. Credit 3 hours.
- 393 Legal and Ethical Environment of Business.** A course designed to explore the legal and ethical aspects of business and the interaction of these entities. Contracts, the uniform commercial code, liability of businesses, Federal RICO, and mail fraud statutes will be covered. Ethical issues of business will be studied using economic measures in addition to traditional ethical tools. Course procedures include oral and written communications, group interaction in class, and major presentations. Credit 3 hours.
- 394 Marketing.** Product concepts, from idea to delivery to the ultimate consumer, will be examined. Also included will be pricing, promotion, distribution, and planning for the marketing effort. Emphasis on being an informed consumer included. Course procedures include oral and written communications, group interaction in class, and group project. Cross-listed with Communication. Credit 3 hours.
- 395 Corporate Finance.** An introduction to the long-term and short-term investing and financing decisions required in the financial management of a business. Course procedures include quantitative methods, oral and written communications, group interaction in class, and a major presentation. Prerequisite: ACCT 281 or consent of instructor. Credit 3 hours.
- 398 Creativity in the Workplace.** Historical, biographical, and cinematic examinations of the issue of creativity. Fundamental questions posed: What is creativity? Why do we need to be creative? Are there ways to master creative responses to problems within life planning as well as for academic work? In what way can creativity enhance productivity, interpersonal relations, and professional development in the workplace? Credit 3 hours.
- 420 Business and Administrative Communication.** The study and writing of technical reports, letters, memos, resumes, progress reports, and proposals. The course will also include various functions associated with writing: organization, sentence structure, and grammar in conjunction with rhetorical theory. Cross-listed with English. Credit 3 hours.
- 425 International Business.** An overview of business practices worldwide. Focus on how U.S. managers can effectively manage a business enterprise outside the U.S. Course procedures include oral and written communications, group project, and major presentation. Prerequisite: BUS 322. Credit 3 hours.
- 432 Marketing Strategy.** The emphasis in this course is on strategic marketing analysis and planning and integration of marketing concepts into a strategic planning framework. Concepts and methods for the strategic analysis of product-market definition, segmentation, product positioning and new product planning are examples of individual subjects that are covered. The students will apply concepts to realistic marketing problems through marketing simulations and/or case studies that capture the dynamics of the marketing environment. Students will learn how to identify markets, assess company strengths and weaknesses, target market segments, analyze competition and develop specific functional strategies in such areas as product development, pricing, distribution and promotion. Prerequisites: BUS 322, 394, and 395. Credit 3 hours.
- 437 Professional and Business Ethics.** An approach to the ethical challenges of a modern business society. The course will utilize the expertise of professionals working in the various areas of business as well as the moral reasoning of ethicists. Course procedures include oral and written communications, group interaction in class, group project, and a major presentation. Cross-listed with Philosophy. Credit 3 hours.
- 444 Supply Chain Management.** This course examines the integration of business processes from end users to original suppliers. It focuses on identifying, selecting, and evaluating suppliers to enhance

- the quality and timely delivery of supplies needed within an organization. Other topics include understanding the nature of demand for goods and services within business markets and the process of building relationships with suppliers. Prerequisites: BUS 394 and 318. Credit 3 hours.
- 445 Management Decision Making.** This course introduces the student to statistical methods using quality improvement tools and techniques, and Microsoft Excel applications in a variety of process control functions. Fundamental statistical concepts and techniques are used as the foundation for the development and interpretation of attributes and variables, and as data sources for the purpose of improving processes in business and production environments. Process capability and graphical methods for data presentation are also discussed. Credit 3 hours.
- 450 International Trade Policy.** The course topics include theories of international trade, tariffs and non-tariff trade barriers, arguments for free-trade versus protectionism, the role of money, balance of payments, foreign exchange rates and their determination and regional economic alliances. The course will include extensive research, case studies, readings, oral and written presentations and group interaction. Credit 3 hours.
- 456 International Finance.** The course is an introductory course in international finance. Topics are studied from the perspective of a global corporation. Topics include exchange rate theory, the foreign exchange markets, management of exchange rate risk, country risk assessment, and global mobilization of financial resources. The course will include extensive research, case studies, oral and written presentations and group interaction. Prerequisite: BUS 395. Credit 3 hours.
- 495 Entrepreneurship.** Students will prepare a complete business plan for an organization they may wish to start. There will be emphasis on the structural, legal, and financial aspects of entrepreneurship. The course explores sources of information, common start-up problems and methods for analyzing situations for profitable entry. The course will include guest speakers, visits to existing small businesses and start-ups, case studies, and class discussions. Students will prepare oral and written presentations and engage in group activities. Extensive outside research and networking required. This class is designed to help students jump-start their careers and put their education into practice. Class should be taken within the student's final two semesters prior to graduation. Prerequisite: BUS 334. Credit 3 hours.
- 497 Business Strategy and Policy/Capstone.** Focus on problem-solving, creative solutions, and brainstorming, using guided intuitive processes to reach group conclusions on given entrepreneurial dilemmas. Course procedures include quantitative methods, oral and written communications, group interaction in class, group project, and major presentation. Prerequisites: BUS 322, 394, 395, ACCT 281 and 283 (exceptions allowed with consent of instructor). Credit 3 hours.

## Economics Courses

Department Code: ECON

- 101 Principles of Microeconomics.** A theory and issues-oriented approach to the study of economics. Basic economic principles and tools introduced and developed through study of important social issues including inflation, unemployment, poverty, discrimination, crime, environmental quality and other contemporary topics. Develops the economist's approach to social problems and evaluates the contribution of economics to their solution. Course procedures include quantitative methods, oral and written communications, and group interaction in class. Credit 3 hours.
- 102 Principles of Macroeconomics.** A theory and issues-oriented approach to economics. Systematically develops the elementary principles of the determination of income, employment, output, economic growth, government spending, taxation, and international trade. Course procedures include quantitative methods, oral and written communications, and group interaction in class. Credit 3 hours.
- 317 Economic History and Economic/Business Systems.** Focuses on economic history and on the institutions and practices—largely business—affecting the output and distribution of goods and services (including social services) and affecting where and how people live and work and related values, while taking into account historical, philosophical, legal, and administrative perspectives. Course procedures include oral and written communications and group interaction in class. Credit 3 hours.

## Chemistry

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Chemists study the composition, structure, and properties of substances and the interactions between them. They search for new information about materials and look for ways to put this knowledge into practice. Southwestern College chemistry students learn chemistry by performing hands-on experiments, using modern instrumentation, and even designing their own experiments.

The major branches of chemistry are organic, inorganic, physical, analytical, and biological. The chemistry program at Southwestern College exposes students to these areas and prepares students for a number of career options. Recent graduates have accepted positions in the chemical and pharmaceutical industries, attended graduate school, and attended professional schools such as medical, dental, and pharmacy.

Employers seek motivated employees who have the ability to work independently yet can also work effectively in a group. Chemistry and biochemistry majors learn to work with other students and have the opportunity for independent study in advanced laboratories and independent research.

### Dual Degree Program

Southwestern College cooperates with Washington University in St. Louis in a dual degree program leading to undergraduate degrees in chemistry and in chemical engineering. Students complete the requirements for the bachelor of arts in chemistry and all general education requirements at Southwestern before transferring to Washington University for the final two years of the chemical engineering curriculum. The program is designed as a '3-2' plan (3 years at Southwestern and 2 years at Washington), but could be done as a '4-2' plan if a student desires to stay at Southwestern for four years before transferring. Upon completion of the Washington University chemical engineering curriculum, the student is granted a B.A. in chemistry from Southwestern and a B.S. in chemical engineering from Washington University.

Students interested in the dual degree program in chemical engineering should contact a member of the chemistry department.

### B.S., Major in Biochemistry

#### Major requirements:

In Chemistry:

- 111 General Chemistry 1
- 112 General Chemistry 2
- 221 Organic Chemistry 1
- 222 Organic Chemistry 2
- 324 Analytical Chemistry
- 345 Biophysical Chemistry
- 430 Biochemistry
- 461 Seminar in Chemistry

#### Cognate requirements:

In Biology:

- 111 Biology 1
- 230 Genetics and Evolution

In Mathematics:

- 222 Calculus 1

In Physics:

- 211 General Physics 1
- 212 General Physics 2

### B.A., Major in Chemistry

#### Major requirements:

In Chemistry:

- 111 General Chemistry 1

112 General Chemistry 2  
 221 Organic Chemistry 1  
 222 Organic Chemistry 2  
 461 Seminar in Chemistry

Two additional courses from the following:

324 Analytical Chemistry  
 345 Biophysical Chemistry  
 430 Biochemistry

### Cognate requirements:

In Mathematics:

222 Calculus 1

In Physics:

201 College Physics 1 or  
 211 General Physics 1

Additional courses in Biology, Physics, and Mathematics may be recommended by advisor, depending upon academic goals of student.

## Secondary Licensure in Chemistry

Completion of the major requirements for the B.A. in Chemistry with CHEM 324 and CHEM 430 as the advanced electives, completion of the requirements for Secondary Education Licensure in Kansas as listed in the Education section of the catalog, and NSCI 280 History of Science.

## Chemistry Courses

Department Code: CHEM

- 101 Introduction to Chemistry.** Topics to be studied include measurements, stoichiometry, electrolytes, chemical reactions, the periodic table, and acid-base chemistry. Recommended for students requiring a terminal course in chemistry or for those requiring a preparatory course for CHEM 111. This course is not open to students who have already completed 111. Credit 4 hours.
- 111 General Chemistry 1.** Stoichiometry, periodic properties of representative elements, structure of atoms and molecules, thermal chemistry, gas laws, and properties of gases, liquids, and solids. Lecture and laboratory. Prerequisite or corequisite: MATH 110, higher math course, or consent of instructor. Credit 4 hours.
- 112 General Chemistry 2.** Acid base chemistry, solutions, chemical equilibrium, kinetics, and aqueous equilibria. Lecture and laboratory. Prerequisite: CHEM 111 or equivalent. Credit 4 hours.
- 221 Organic Chemistry 1.** The functional groups found in organic chemistry, with emphasis on their structures, physical properties, and reactions (selected). Lecture and laboratory. Prerequisite: CHEM 112 or consent of instructor. Credit 5 hours.
- 222 Organic Chemistry 2.** Mechanisms of chemical reactions, emphasizing synthesis. Introduction of instrumental analysis such as NMR, IR, and mass spectroscopy. Lecture and laboratory. Prerequisite: CHEM 221. Credit 5 hours.
- 324 Analytical Chemistry.** A survey of modern methods of chemical analysis including titrations, equilibrium techniques, electrochemistry, spectroscopy, and separation procedures. Emphasis is given to analytical calculations. Two lecture hours and 6 laboratory hours per week. Prerequisite: CHEM 112. Credit 4 hours.
- 345 Biophysical Chemistry.** Theoretical treatment of gases, solids, liquids and solutions, using thermodynamics, electrochemistry and reaction kinetics will be discussed. Problems will have a biochemical emphasis. Prerequisites: CHEM 112, MATH 222, and PHYS 201 or 202. Credit 3 hours.
- 421 Advanced Organic Chemistry.** The functional groups found in Organic Chemistry are discussed with emphasis on their structures, physical properties and reactions. Mechanisms of chemical reactions emphasizing synthesis will be discussed. Use of instrumental analysis such as NMR, IR, and mass spectroscopy will be presented. Prerequisites: CHEM 221 and 222. Credit 3 hours.
- 430 Biochemistry.** An introduction to the structure and function of biomolecules. Emphasis on proteins and carbohydrates. Protein structure, enzyme kinetics, and regulation are studied as are carbohydrates and their metabolism. Structure of lipids, steroids, and nucleic acids are taught; a brief time is given to their synthesis and reactions within the cell. Includes one laboratory per week. Prerequisites: CHEM 111, 112, 221, and either 222 or consent of instructor. Cross-listed with Biology. Credit 5 hours.
- 461 Seminar in Chemistry.** The class will focus on the presentation of papers on current topics in chemistry. The student will develop the skills needed for researching and delivering a technical



seminar. Prerequisite: Junior standing in the biochemistry major or consent of the instructor. Credit 1 hour.

**464 Senior Research.** Senior projects will include a literature review, development of methodologies, data collection, data analysis, and a written report. Prerequisite: Consent of instructor. Credit 3 hours.

## Communication

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The communication major includes coursework in radio and television, journalism, new media, speech, and communication. It is also closely allied with elements in the computer science and digital arts major. As a point of distinction, both majors include the study of content and communication principles now demanded by the field, plus a strong hands-on component. As a second point of distinction, each of these majors goes beyond simply listing coursework required for entry and success in the field. The curriculum at Southwestern College also takes into consideration the abilities and skills each student brings to the program, and offers coursework avenues uniquely suited to students with those varying skills. These avenues are referred to as emphasis areas. There are nine areas of emphasis from which to choose between the communication and computer science and digital arts majors.

Students also have the option of not selecting an emphasis area, working instead with their advisor to select a unique combination of courses. No one with genuine interest need be left out of this multifaceted field. With a strong focus on goals and the guidance of our faculty, students can find in the communication and new media or computer science and digital arts fields a career path most suited to them.

### B.A., Major in Communication

#### Major requirements:

In Communication:

- 101 Survey of Mass Communications
- 103 Graphic Design
- 110 Media Writing 1
- 250 Media Law and Ethics
- 315 Persuasion
- 410 Theories of Human Communication

All requirements of one emphasis area below:

### Emphasis in Communication Studies

#### Requirements:

In Communication:

- 203 Interpersonal Communication
- 215 Intercultural Communication
- 238 Group Communication

In English:

- 360 Advanced Composition

In History:

- 132 American History Since 1865

In Psychology:

- 112 General Psychology

In Communication:

- 208 Critical Thinking and Argumentation
- 328 American Public Address
- 355 Special Topics in Communication (3 hours)
- 417 Organizational Communication

Students must also complete a minimum two hours practicum

## Emphasis in General Communication

### Requirements:

Twenty-seven credit hours selected from within the division in coordination with a communication/computer representative.

Six additional hours from within the communication/computer science division or external to the division with advisor approval.

## Emphasis in Journalism

### Requirements:

In Communication:

- 111 Radio Production
- 112 Video News Production
- 201 Media Writing 2
- 205 Introduction to Photography
- 206 Digital Photography
- 212 Video Field Production
- 221 Newspaper Experience (minimum 2 hours)
- 223 Yearbook Experience (minimum 2 hours)
- 312 Visual Storytelling
- 345 Desktop Publishing

An additional five hours from within the communication/computer science division or external to the division with advisor approval. See the other emphases and suggested coursework.

## Emphasis in New Media

### Requirements:

In Communication:

- 201 Media Writing 2
- 206 Digital Photography
- 212 Video Field Production
- 345 Desktop Publishing
- 346 Multimedia Authoring for CD ROM and the Web

In Computer Science and Digital Arts:

- 211 Basic Information and Web Site Design

In English:

- 340 Language: Structure and Meaning
- 360 Advanced Composition

Choose one of the following:

In Communication:

- 320 Advanced Web Site Design: Graphic Techniques or

In Computer Science and Digital Arts:

- 321 Advanced Web Site Design: Dynamic Sites; Interactivity

An additional six hours from within the communication/computer science division or external to the division with advisor approval. See the other emphases and suggested coursework.

## Emphasis in Radio and Television Production and Performance

### Requirements:

In Communication:

- 111 Radio Production
- 112 Video News Production
- 212 Video Field Production
- 201 Media Writing 2
- 231 Radio Experience (minimum three hours)
- 233 TV Experience (minimum three hours)
- 246 History of Television
- 248 History of the Cinema
- 312 Visual Storytelling

An additional six hours from within the communication/computer science division or external to the division with advisor approval. See the other emphases and suggested coursework.

## Emphasis in Speech and Theatre Education

### Requirements:

#### In Communication:

- 102 Elements of Oral Communication
- 123 Discussion or 208 Critical Thinking and Argumentation
- 125 Forensics
- 203 Interpersonal Communication
- 230 Voice and Diction
- 238 Group Communication

#### In Theatre:

- 111 Introduction to Theatre
- 224 Stagecraft
- 226 Acting 1
- 234 Oral Interpretation of Literature
- 325 Design for the Stage
- 333 Theatre History 2
- 415 Goal and Career Development
- 416 Goal and Career Development
- 424 Directing 1
- 425 Directing 2
- 438 Teaching and Directing Forensics, Debate, and Theatre in the Secondary School

Completion of Communication and Theatre experience checklist

Suggested additional coursework for all emphasis areas:

#### In Communication:

- 104 Software Lab
- 123 Discussion
- 125 Forensics
- 210 Business Communications
- 211 Introduction to the Cinema
- 213 Journalism Projects
- 294 Public Relations
- 341 Radio Management
- 343 Television Management
- 348 International Cinema: Western Culture
- 349 International Cinema: Asian Culture
- 394 Marketing
- 399 Screenwriting
- 421 Journalism Management
- 438 Teaching and Directing Forensics, Debate, and Theatre in the Secondary School

#### In English:

- 420 Business and Administrative Communication

#### In History:

- 132 American History since 1865
- 331 19th Century U.S. History

#### In Integrative Studies:

- 234 Psychology and Art
- 235 Language
- 240 Truth and Beauty: Chaos and Fractals
- 242 Mathematics and Art
- 257 Sights and Sounds: Sense and Sensibility

#### In Psychology:

- 219 Social Psychology
- 328 Organizational Behavior

#### In Theatre:

- 234 Oral Interpretation of Literature

Students majoring in communication may not take the following minors. Students majoring in computer science with an emphasis in digital arts may not minor in new media.

### **Minor in Broadcasting**

**Minor requirements:**

In Communication:

- 101 Survey of Mass Communications
- 110 Media Writing 1
- 111 Radio Production
- 112 Video News Production
- 212 Video Field Production

An additional two courses selected from the following:

In Communication:

- 201 Media Writing 2
- 246 History of Television
- 312 Visual Storytelling

### **Minor in Communication Studies**

**Minor requirements:**

In Communication:

- 102 Elements of Oral Communication
- 315 Persuasion
- 410 Theories of Human Communication

An additional 15 hours with approval of division advisor.

### **Minor in Film and Television Theory and Criticism**

**Minor requirements:**

In Communication:

- 101 Survey of Mass Communications
- 110 Media Writing 1
- 211 Introduction to the Cinema
- 246 History of Television
- 248 History of the Cinema

An additional two courses selected from the following:

In Communication:

- 348 International Cinema: Western Culture
- 349 International Cinema: Asian Culture
- 399 Screenwriting

In English:

- 360 Advanced Composition

### **Minor in Journalism**

**Minor requirements:**

In Communication:

- 101 Survey of Mass Communications
- 110 Media Writing 1
- 221 Newspaper Experience (3 semesters) or
- 221 Newspaper Experience (2 semesters) and
- 223 Yearbook Experience (1 semester)

An additional 12 hours selected from the following:

In Communication:

- 111 Radio Production
- 112 Video News Production
- 201 Media Writing 2
- 205 Introduction to Photography
- 206 Digital Photography
- 212 Video Field Production
- 312 Visual Storytelling
- 345 Desktop Publishing

## Minor in New Media

### Minor requirements:

In Communication

101 Survey of Mass Communications

103 Graphic Design

234 Digital Media Experience (3 semesters)

An additional 12 hours selected from the following:

206 Digital Photography

212 Video Field Production

216 Composing with Paint & Draw Programs 1

320 Advanced Web Site Design: Graphic Techniques or CPTR 321 Advanced Web Site Design: Dynamic Sites; Interactivity

345 Desktop Publishing

346 Multimedia Authoring for CD-ROM and the Web

In Computer Science

211 Basic Information and Web Site Design

A one-course substitution for one of the elected courses above may be made with approval of division advisor.

## Communication Courses

Department Code: COMM

- 101 Survey of Mass Communications.** A course designed to develop the student's ability to appreciate and evaluate the aesthetic, societal, and cultural functions of newspapers, magazines, advertising, film, radio and television. It will examine the nature, development, contemporary structure and influence of the mass media. Credit 3 hours.
- 102 Elements of Oral Communication.** This course offers students an introduction to the theoretical and practical performance of effective oral communication skills. Students will learn rhetorical strategies and opportunities to aid them in improving their interpersonal, intercultural, public, and group communication skills. Credit 3 hours.
- 103 Graphic Design.** The course will cover the basic design principles of layout, color, and typography. Class time will be spent on discussions, lectures, critiques, individual meetings, and work sessions. Cross-listed with Art. Credit 3 hours.
- 104 Software Lab.** Hands-on learning experience with graphic, communication and code-writing software. Students are expected to be familiar and adept at all software used in the various courses they intend to take before enrolling in those courses. The software laboratory is a collegial learning opportunity in which to accomplish this. Cross-listed with Computer Science and Digital Arts. Credit 1 hour. May be repeated up to 4 credits.
- 110 Media Writing 1.** The study of basic news gathering techniques and principles of news writing. Students will learn to write for a variety of media, purposes, and audiences. Emphasis will be on style, ethics, and accuracy. Credit 3 hours.
- 111 Radio Production.** Academic base for students interested in broadcasting. Study of principles of production, mass media theory, FCC regulations, and the equipment at station KSWC with required participation in station programs. Credit 3 hours.
- 112 Video News Production.** This course focuses on the video techniques, field production principles, and story organization needed for televised journalism. Students work in teams on a number of campus news stories. Convergence with print and other journalism venues on campus is stressed. Specific topics include lighting, framing, shot selection, and non-linear editing decisions as they influence content and clarity. Credit 3 hours.
- 123 Discussion.** Students who enroll in this course will develop skills in research, organization, and presentation of ideas by discussing current event issues that pertain to their particular interest and major field of study. These discussions will help students understand and value the opinions of others while learning how to present their own ideas effectively. Students will have opportunities to travel to regional and national discussion events. Prerequisite: Consent of instructor. Credit 1 hour. May be repeated for credit.
- 125 Forensics.** Students who are enrolled in this course will participate on the SC intercollegiate forensics squad. This experience is an extension of the communication classroom to develop public speaking and performance skills through competitive and public performances. Prerequisite: Consent of instructor. Course graded S/U. Credit 1 hour. May be repeated for credit.

- 201 Media Writing 2.** Advanced approach to news gathering, reporting, and writing techniques, including feature, editorial/op-ed, reviews, and investigative writing. Course will also examine legal issues affecting news reporters as well as situations requiring ethical decisions leading students to the development of a Professional Code of Standards and Ethics. Prerequisite: COMM 110 or consent of instructor. Credit 3 hours.
- 203 Interpersonal Communication.** Introductory study of communication between people and in relationships. Stresses awareness of how one's communication behavior influences and is influenced by others and provides methods of improving interpersonal interactions. Credit 3 hours.
- 205 Introduction to Photography.** A study of camera, film, composition, light and lighting, flash and the principles of photojournalism as it relates to storytelling. Building a portfolio is included. Cross-listed with Art. Credit 3 hours.
- 206 Digital Photography.** An overview of digital photography and how it works. Among the topics covered will be features of digital cameras, managing and editing digital images, and making the transition from analog to digital. Credit 3 hours.
- 208 Critical Thinking and Argumentation.** Students enrolled in this course will learn the theoretical principles of critical thinking and argument as they apply to interpersonal, organizational, public and political concerns. Students will be guided in subject analysis, data gathering, evidence building, and evaluation of critical arguments. Credit 3 hours.
- 210 Business Communications.** Course focuses on audience-oriented communication in the corporate culture. Oral and written communication forms, created with a corporate audience in mind, will be practiced using PowerPoint and other visual aids. Emphasis will be on developing and demonstrating communication skills, both singularly and in groups. Course procedures include oral and written communications, group interaction in class, and group project. Cross-listed with Business and English. Prerequisites: LAS 110 and 120. Credit 3 hours.
- 211 Introduction to the Cinema.** A study of the five technical elements that are involved in film: cinematography and visual editing, sound acquisition and music insertion, scriptwriting, performance, and the role of the director in pulling all this together. The course examines motion picture themes as a rhetorical communication medium, artistic expression, as well as a reflection of social and cultural thought. Credit 3 hours.
- 212 Video Field Production.** This course focuses on the video techniques, field production principles, and story organization needed for commercial production and visual storytelling. Students work in teams on a number of video projects that address specific topics to include lighting, framing, shot selection, and non-linear editing decisions as they influence content and clarity. The course also features special effects usage. Two-dimensional animation is a learning option. Credit 3 hours.
- 213 Journalism Projects.** Participation in production of newspaper or yearbook. The student will become proficient in a particular aspect of print publication such as layout, feature writing, or photography. Prerequisite: Consent of instructor. Credit 2 hours. May be repeated for credit.
- 215 Intercultural Communication.** An investigation of the similarities and differences of communication patterns of various cultures. Examination of the values and cultural norms that inform and influence a culture's communication. Credit 3 hours.
- 216 Composing With Paint & Draw Programs 1.** The application of art, illustration and graphic design principles using paint and draw programs such as Adobe Photoshop, Adobe Illustrator and Macromedia Flash. Focus on art work for screen-based and print-based media. Cross-listed with Art. Credit 3 hours.
- 220 Interactive Story Telling.** This course explores story telling for interactive media to include computer games. Particular emphasis will be placed upon character development. Traditional and emerging means for accomplishing successful interactivity will be explored, to include elements beyond the traditional use of words and images. Cross-listed with English. Credit 3 hours.
- 221 Newspaper Experience.** Practical experience in working on staff of campus newspaper. Prerequisite: 2.0 GPA. Course graded S/U. Credit 1 hour. May be repeated for credit.
- 223 Yearbook Experience.** Practical experience in working on staff of campus yearbook. Prerequisite: 2.0 GPA. Course graded S/U. Credit 1 hour. May be repeated for credit.
- 230 Voice and Diction.** Techniques for improvement of the normal voice in tonal quality, intelligibility, and projection; emphasis on the interrelatedness of relaxation, breathing, concentration, and vocal expressiveness. Credit 3 hours.
- 231 Radio Experience.** Practical experience on air at KSWC-FM. Enrollment contingent on shift availability. Prerequisite: 2.0 GPA and consent of instructor. Course graded S/U. Credit 1 hour. May be repeated for credit.

- 233 Television Experience.** Practical emphasis for communication majors in television production with experience in preparing videotaped shows and features. Prerequisite: 2.0 GPA and consent of instructor. Course graded S/U. Credit 1 hour. May be repeated for credit.
- 234 Digital Media Experience.** Practical application of New Media/Digital Arts knowledge and skills. Projects include but are not limited to video features, Web sites, CD-ROMS, computer games. Cross-listed with Computer Science and Digital Arts. Prerequisite: 2.0 GPA and consent of instructor. Course graded S/U. Credit 1 hour. May be repeated for credit.
- 238 Group Communication.** Introduction to theory as it relates to communication in a small group setting. Study will center on small group formation and development, leadership, roles, norms, and conflict. Credit 3 hours.
- 246 History of Television.** An examination of social issues as explored through various television genres. Course may also explore news coverage of events and contemporary problems with television programming. Intended for non-majors as well as Communication majors. Credit 3 hours.
- 248 History of the Cinema.** The history of visual storytelling. This course examines the development of cinematography technology (camera, film, lighting, editing, sound) with an emphasis on techniques of video-only storytelling by such masters as the Lumiere Brothers (cinematography), Georges Melies (special effects), Sergei Eisenstein (montage), D.W. Griffith, Charles Chaplin, and Buster Keaton. The course also examines early attempts at sound acquisition and editing. It will culminate in a comprehensive analysis of what is critically considered to be the greatest American film: Citizen Kane. Credit 3 hours.
- 250 Media Law and Ethics.** This course will introduce students to the major legal, ethical, and policy issues related to the mass media. This will be done by exposing students to primary documents and cases as well as to methods of analysis. Upon completion, students should be able to explain in broad context existing media law and policy and be able to critique and analyze future laws and policies. Students should also be able to articulate the ethical issues that are relevant to media conduct. Credit 3 hours.
- 294 Public Relations.** Students will explore the major concepts and strategies of public relations for business and other organizations. Credit 3 hours.
- 312 Visual Storytelling.** This course focuses on visual storytelling with strong production values using state-of-the-art shooting and editing stations. Students will create a project in one of the following areas: Video Essay, Still Photography, Animation (cartoon or stop motion), Original Short Fictional Feature, Short News Documentary, or Video Profile, with a view toward entry in regional or national competitions. Prerequisite: COMM 212 or consent of instructor. Credit 3 hours.
- 315 Persuasion.** A study of persuasive communication and the techniques that motivate persons to act or believe in a particular way. A variety of persuasive rhetorical theories will be discussed as tools for persuasion. Credit 3 hours.
- 316 Composing With Paint & Draw Programs 2.** A continuation of COMM 216. Cross-listed with Art. Prerequisite: COMM 216. Credit 3 hours.
- 320 Advanced Web Site Design: Graphic Techniques.** This course builds upon the planning and design principles in CPTR 211, extending site effectiveness through the use of advanced graphic techniques. Prerequisite: CPTR 211. Credit 3 hours.
- 325 Convergent Media News.** Through repeated enrollments, students will learn to consult among the whole editorial staff of all media to assist in productions in Audio, Video, Print, and Web, that, while perhaps strongest in a given medium, can be modified to fit various other media. Students will learn to work with and profit by the insights of other students in other media. Prerequisite: Consent of instructor. Credit 1 to 2 hours. May be repeated for credit.
- 328 American Public Address.** This course offers students a historical perspective on how public discourse has shaped and changed our social constructs and consciousness. Students discuss the theoretical principles and persuasive techniques of effective speakers. The course will focus on students employing the techniques in their own persuasive presentations. Prerequisite: COMM 102. Credit 3 hours.
- 341 Radio Management.** Learning and practical application of management and supervisory skills for KSWC. Available only to radio management staff. Prerequisite: Consent of instructor. Graded S/U. Credit 2 hours. May be repeated for credit.
- 343 Television Management.** Learning and practical application of management and supervisory skills for television production. Available only to television management staff. Prerequisite: Consent of instructor. Course graded S/U. Credit 2 hours. May be repeated for credit.
- 345 Desktop Publishing.** A course in the creation of print media communication products using industry-standard software such as Quark Express. Focus will be on professional standards,

consistency of design with theme/objective, and creativity in communication. Students will create flyers, brochures, newsletters, advertising layouts, and other printed products. Cross-listed with Computer Science and Digital Arts. Credit 3 hours.

- 346 Multimedia Authoring for CD-ROM and the Web.** A course in the creation of interactive productions for CD-ROM using Macromedia Director. Students learn to create gaming, informational, and presentational interactivity without the bandwidth restrictions imposed by the Internet. Certain of these same productions are then revised for use on the Internet through Director's Shockwave software. Cross-listed with Computer Science and Digital Arts. Credit 3 hours.
- 348 International Cinema: Western Culture.** An examination of the foreign film from traditional western cultures to include, among others, France, Spain, Mexico, Scandinavia, Italy, Greece, Germany, Russia, Australia, and New Zealand. Students will study the major trends and styles of cinema and how national identity and customs are reflected in those films. Course is designed to give global perspective to non-majors as well as majors. Credit 3 hours.
- 349 International Cinema: Asian Culture.** An examination of the foreign film from traditional eastern cultures to include, among others, Japan, China, Hong Kong, India, Korea, Vietnam, and Taiwan. Students will study the major trends and styles of cinema and how national identity and customs are reflected in those films. Course is designed to give global perspective to non-majors as well as majors. Credit 3 hours.
- 362 Experience in Public Relations.** A practical, hands-on experience with the Southwestern College Communications Office, under the supervision of the office staff. Prerequisite: Consent of instructor. Credit 3 hours.
- 394 Marketing.** Product concepts, from idea to delivery to the ultimate consumer, will be examined. Also included will be pricing, promotion, distribution, and planning for the marketing effort. Emphasis on being an informed consumer included. Course procedures include oral and written communications, group interaction in class, and group project. Cross-listed with Business. Credit 3 hours.
- 399 Screenwriting.** A study of the principles and practices in writing an original script for film and television. Prerequisite: Consent of instructor. Credit 3 hours.
- 410 Theories of Human Communication.** The focus of this course includes an overview of current and historical theories and research in the major sub-fields of human communication. Prerequisite: COMM 102 or consent of instructor. Credit 3 hours.
- 417 Organizational Communication.** Comprehensive study of communication processes in situations commonly encountered in organizational settings. Intensive analysis of simulated and real life situations will aid the student in understanding the communication dynamics of organizations. Credit 3 hours.
- 421-422 Journalism Management.** Available only to chief editors of The Collegian and The Moundbuilder. Course graded S/U. Credit 2 hours. May be repeated for credit.
- 438 Teaching and Directing Forensics, Debate, and Theatre in the Secondary School.** A study of the problems and methodologies of teaching and directing forensics, debate, and theatre activities in the secondary schools. Includes observation and participation in drama, debate, and forensic activity designed for the public school programs. Satisfies teacher licensure requirements for Education 438. Prerequisites: Theatre Participation practical experience check sheet, participation in debate and forensic activity courses. Cross-listed with Theatre. Credit 3 hours.

## Computer Science and Digital Arts

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The computer science and digital arts major includes coursework in computer science, digital arts, and computer game development. It is also closely allied with elements in the communication major such as traditional media, journalism, new media, speech, and communication arts. As a point of distinction, both majors include the study of content and communication principles now demanded by the field, plus a strong hands-on component. As a second point of distinction, each of these majors goes beyond simply listing coursework required for entry and success in the field. The curriculum at Southwestern College also takes into consideration the abilities and skills each student brings to the program, and offers coursework avenues uniquely suited to students with those varying skills. These avenues are



referred to as emphasis areas. There are nine areas of emphasis from which to choose between the computer science and digital arts and communication majors.

No one with genuine interest need be left out of this multifaceted field. With a strong focus on goals and the guidance of our faculty, students can find in the computer science and digital arts or communication and new media fields a career path most suited to them.

## **B.S., Major in Computer Science and Digital Arts**

### **Major requirements:**

In Computer Science and Digital Arts:

110 Introduction to Computer Systems

### **Cognate requirements:**

In Communication:

315 Persuasion

In English/Business:

210 Business Communications, or

420 Business and Administrative Communication

All requirements of one emphasis area below:

## **Emphasis in Computer Game Development**

### **Requirements:**

In Computer Science and Digital Arts:

200 Computer Game Concepts (minimum six hours)

205 Computer Game Planning and Production (minimum 12 hours)

Completion of the courses under one of the following:

### **Game/Level Design:**

In Computer Science and Digital Arts/Communication:

346 Multimedia Authoring for CD-ROM and the Web

In Business:

322 Management

394 Marketing

In English/Communication:

220 Interactive Story Telling

In Psychology:

112 General Psychology

219 Social Psychology

In Theatre Arts:

Two hours in 112/113/212 and/or 117/118/217

### **Image and Sound Design:**

In Computer Science and Digital Arts:

220 Digital Sound

240 3D Modeling and Animation 1

250 3D Modeling and Animation 2

350 3D Modeling and Animation 3

In Communication/Art:

103 Graphic Design

216 Composing With Paint & Draw Programs 1

In Music:

111 Foundations in Music

### **Software Design:**

In Computer Science and Digital Arts:

112 Programming 1

212 Programming 2

In Computer Science and Digital Arts/Communication:

346 Multimedia Authoring for CD-ROM and the Web

In Mathematics:

110 College Algebra

112 Trigonometry

319 Linear Algebra

In Physics:

201 College Physics 1

### Emphasis in Computer Science

#### Requirements:

In Computer Science and Digital Arts:

112 Programming 1

212 Programming 2

310 Theory of Programming Languages

320 Database Management Systems 1

324 Computer Networks & Concepts

341 Operating Systems

345 Software Engineering or 453 Analysis of Algorithm (graduate school intention)

452 Automata Theory

454 Senior Project and Seminar

In Mathematics:

222 Calculus 1

223 Calculus 2

319 Linear Algebra

320 Introduction to Advanced Mathematics

#### Suggested Electives:

In Computer Science and Digital Arts:

211 Basic Information and Web Site Design

306 Visual Basic Programming

315 Java Programming

321 Advanced Web Site Design: Dynamic Sites; Interactivity

334 Management Information Systems

415 Systems Architecture

430 Introduction to Artificial Intelligence

475 Database Management Systems 2

440 Decision Support Systems

### Emphasis in Digital Arts

#### Requirements:

In Computer Science and Digital Arts:

211 Basic Information and Web Site Design

345 Desktop Publishing

In Art:

103 Graphic Design

123 Basic Drawing

215 Painting Studio 1

216 Composing With Paint & Draw Programs 1

316 Composing With Paint & Draw Programs 2

In Communication:

206 Digital Photography

346 Multimedia Authoring for CD-ROM and the Web

*Choose one of the following:*

In Communication:

320 Advanced Web Site Design: Graphic Techniques

In Computer Science and Digital Arts:

321 Advanced Web Site Design: Dynamic Sites; Interactivity

*Choose one of the following:*

In Communication:

112 Video News Production

In Computer Science and Digital Arts:

240 3D Modeling & Animation 1

*Choose one of the following:*

In Communication:

212 Video Field Production

In Computer Science and Digital Arts:

250 3D Modeling & Animation 2

Students majoring in computer science with an emphasis in digital arts may not minor in new media (a communication area of study).

### Minor in Computer Game Development

#### Minor requirements:

In Computer Science and Digital Arts:

200 Computer Game Concepts (minimum three hours)

205 Computer Game Planning and Production (minimum six hours)

Completion of the courses under one of the following:

#### Image and Sound Design:

In Computer Science and Digital Arts:

220 Digital sound

240 3D Modeling and Animation 1

250 3D Modeling and Animation 2

In Communication/Art:

103 Graphic Design

#### Game/Level Design:

In Computer Science and Digital Arts/Communication:

346 Multimedia Authoring for CD ROM and the Web

In Business:

394 Marketing

In English/Communication:

220 Interactive Story Telling

In Psychology:

112 General Psychology

#### Software Design:

In Computer Science and Digital Arts:

112 Programming 1

212 Programming 2 or

346 Multimedia Authoring for CD ROM and the Web

In Mathematics:

110 College Algebra

In Physics:

201 College Physics 1

### Minor in Computer Science

#### Minor requirements:

In Computer Science and Digital Arts:

110 Introduction to Computer Systems

112 Programming 1

212 Programming 2

324 Computer Networks & Concepts

Two additional three-credit computer courses

## Computer Science and Digital Arts Courses

Department Code: CPTR

**104 Software Lab.** Hands-on learning experience with graphic, communication and code-writing software. Students are expected to be familiar and adept at all software used in the various courses they intend to take before enrolling in those courses. The software laboratory is a collegial learning opportunity in which to accomplish this. Cross-listed with Communication. Credit 1 hour. May be repeated up to 4 credits.

**110 Introduction to Computer Systems.** An introduction to the core functions of computer systems and Computer Science as a field and career. Course will cover data representation and management in computer systems, operating systems, networks, programming, databases, and artificial intelligence. Students will also be introduced to applications of and cutting-edge developments in those areas. Credit 3 hours.

- 112 Programming 1.** Introduces students to the use of computers as a problem-solving tool. Programming techniques and methodologies are covered. This includes the design, coding, and execution of structured and object-oriented programming. The primary language used for instruction is C++. The topics covered: C++ basics, procedural abstraction, functions, I/O streams, objects and classes. Prerequisite: MATH 110. Credit 3 hours.
- 200 Computer Game Concepts.** A forum in which the topics are free-ranging. Periodically students will sift through the topics discussed to see if anything presents fertile ground for a game premise. Participation needs to be based upon simple opinion/observation in some cases and upon research and structured brainstorming in others. Credit 1 hour. May be repeated for credit.
- 205 Computer Game Planning and Production.** Students in this course study games and the game development process. They also evaluate the premises presented to them by the Game Concepts class and select one or more to prototype and playtest. Credit 2 hours. May be repeated for credit.
- 211 Basic Information and Web Site Design.** An introduction to Web site creation. Students will learn the planning process, to include information design, and the creation of sites using WYSIWYG editors such as Dreamweaver, and HTML. Prerequisite: COMM or ART 103 or consent of instructor. Credit 3 hours.
- 212 Programming 2.** Object-oriented programming (OOP), data structures (list, stack, queue, tree, graph), and fundamental algorithms will be covered in this class. The primary language used for instruction is C++. Prerequisites: CPTR 110 and 112. Credit 3 hours.
- 220 Digital Sound.** This course will explore the use of computer software to create digital music and sound effects. Software such as Cakewalk Project 5 will enable students to create and use audio synthesizing workstations. Prerequisite: Consent of instructor. Credit 3 hours.
- 234 Digital Media Experience.** Practical application of New Media/Digital Arts knowledge and skills. Projects include but are not limited to video features, Web sites, CD-ROMs, and computer games. Cross-listed with Communication. Prerequisite: 2.0 GPA and consent of instructor. Course is graded S/U. Credit 1 hour. May be repeated for credit.
- 240 3D Modeling and Animation 1.** Probable topics for this course include the 3DMax interface layout, creation tools with primitives and 2D shapes, lofting, and basic modifiers along with scene set up. Simple lighting, camera and materials will enhance student renders and animations. Prerequisite: Consent of instructor. Credit 3 hours.
- 250 3D Modeling and Animation 2.** Probable areas of study include in-depth renders and animations using complex modifiers, lofting, space wars, and particle systems; creating low-polygon characters and objects for gaming; advanced lighting, camera and material creation methods along with detailed rendering options for enhanced realism. Prerequisite: CPTR 240. Credit 3 hours.
- 306 Visual Basic Programming.** An introduction to interactive computing and the high-level language capability of the personal computer. Development of the user interface, OOP and event driven programming techniques, and program design. Prerequisite: CPTR 212. Credit 3 hours.
- 310 Theory of Programming Languages.** History and overview of programming languages, virtual machines, and representation of data types; sequence control; data control, sharing and type checking; run-time storage management; language translation systems; programming language semantics; programming paradigms. Prerequisite: CPTR 212. Credit 3 hours.
- 315 Java Programming.** This course is an extensive exposure to object-oriented programming using Java programming language. Course will focus on Java-specific syntax, object oriented analysis and design, stand alone applications, as well as programs that run over the Internet. Upon completing the course students should be able to develop Java applications and applets, have the ability to use core libraries, and meet the requirement of Sun Java Certification. Prerequisite: CPTR 212. Credit 3 hours.
- 320 Database Management Systems 1.** This will cover the concepts of successful commercial-level database design. It will include the topics: data models, three schema architecture, entity-relationship model, enhanced ER diagram, relational model concepts, relational algebra and calculus, SQL, functional dependencies. Prerequisites: CPTR 212; MATH 223 or consent of instructor. Credit 3 hours.
- 321 Advanced Web Site Design: Dynamic Sites; Interactivity.** This course builds upon the planning and design principles in CPTR 211, extending site effectiveness through the use of databases and other methods of interactivity. Prerequisite: CPTR 211. Credit 3 hours.
- 324 Computer Networks & Concepts.** This course will introduce computer network concepts. It will include communication models, signals, digital transmission systems, packet switching, multiplexing, TCP/IP protocol suite, Internet application protocols. Prerequisites: CPTR 212; MATH 223 or consent of instructor. Credit 3 hours.

- 334 Management Information Systems.** Evaluation of different types of software and their application in organizations. Emphasis on practical skills, spreadsheet modeling, and database design. Techniques for developing systems responsive to managerial needs. Credit 3 hours.
- 341 Operating Systems.** This course will cover the concepts, structures, and functionalities of operating systems. It will include process management, memory management, scheduling, file management, multiprocessor scheduling, threads, deadlocks, and starvation. Prerequisites: CPTR 212 and MATH 319. Credit 3 hours.
- 345 Software Engineering.** This course will study systems development life cycles through project implementation and evaluation, and life cycle models such as waterfall. Prerequisite: CPTR 212. Credit 3 hours.
- 346 Multimedia Authoring for CD-ROM and the Web.** A course in the creation of interactive productions for CD-ROM using Macromedia Director. Students learn to create gaming, informational, and presentational interactivity without the bandwidth restrictions imposed by the Internet. Certain of these same productions are then revised for use on the Internet through Director's Shockwave software. Cross-listed with Communication. Credit 3 hours.
- 350 3D Modeling and Animation 3.** A continuation of CPTR 250. Prerequisite: CPTR 250. Credit 3 hours.
- 415 Systems Architecture.** Covers concepts involved in computer hardware and software design including data representation, processor technology, data storage technology, system performance, operating systems, file management systems and system administration. Prerequisite: CPTR 110. Credit 3 hours.
- 430 Introduction to Artificial Intelligence.** Basic concepts about Artificial Intelligence. Topics include: recursive problem solving, knowledge representation using semantic networks and frames, state space search methods, planning and problem solving, game playing and adversarial search methods, rules and production system, constraint satisfaction techniques and applications, optimization algorithms including genetic algorithms, and logic programming. Prerequisite: CPTR 310. Credit 3 hours.
- 440 Decision Support Systems.** A study of how systems can be used to support executive, non-structured, non-repetitive decisions. The emphasis will be to provide the right data, in the correct form, with executive execution potential. This course extends databases into data warehousing, suitable for mining by non-technical personnel. The study will be supported by a broad-based study of decision-making methods and its importance in both organizations and society. Credit 3 hours.
- 452 Automata Theory.** Introduction to finite automata and regular expressions, context-free grammars, pushdown automata, Turing machines, hierarchy of formal languages and automata, and computability and decidability. Prerequisites: CPTR 212 and MATH 320. Credit 3 hours.
- 453 Analysis of Algorithm.** This course focuses on running time of algorithms, recurrences, sorting, binary search trees, hash tables, and dynamic programming. Prerequisites: CPTR 212 and MATH 320. Credit 3 hours.
- 454 Senior Project and Seminar.** Working with a professional mentor, the student will design, execute and manage a project involving computer technology. This project may include hardware, software and assessing the impact upon people and systems. The goal of this course is to provide students with professional experience. Three main objectives of this course are technical accomplishment, execution of a commercial-level project, and effective communication. Credit 3 hours.
- 459 Practicum in Computer Science.** An intensive applied learning experience that involves the analyzing and solving of a significant practical problem, and providing appropriate documentation of the work done. Prerequisite: Submission of required paperwork to registrar's office. Credit 1 to 5 hours.
- 475 Database Management Systems 2.** Functional dependencies, normalization, query optimization, concurrency control, object-oriented database, and database security. Prerequisite: CPTR 320. Credit 3 hours.

## Education

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The Southwestern College teacher education program is a student-centered learning community dedicated to optimal intellectual growth, preparation for leadership in the field of education, personal development, ethical values, and lifelong service in a world beyond cultural boundaries. The goals of teacher education program are in the Conceptual Framework. This states that the professional educator will:

1. possess wisdom of practice;
2. have the ability to facilitate student learning;
3. have the ability to interact effectively;
4. have the ability to reflect.

The teacher education program has an undergraduate curriculum with the following components: the elementary education major, the early childhood major, professional course sequence for both elementary and secondary education majors, and the clinical field experience sequence for early childhood, elementary, and secondary education majors.

### Admission to the Teacher Education Program

Students seeking admission to the teacher education program must first demonstrate their readiness by completing the following requirements:

1. PSYC 112 General Psychology with grade of “C” or better.
2. EDUC 218 Developmental Psychology with grade of “C” or better.
3. Sophomore standing with a GPA of at least 2.5.
4. Demonstration of communication skills by completion of LAS 110 College English 1, LAS 120 College English 2, and COMM 102 Elements of Oral Communication with at least a 2.5 cumulative GPA in the three courses.
5. Successful completion of Pre-Professional Skills Test (PPST) with scores that meet or exceed program requirements in the Reading (173), Math (172), and Writing (172) sections.
6. EDUC 150 Introduction to Education with grade of “C” or better.
7. EDUC 215 Foundations of Education with grade of “C” or better.
8. Submission of formal application to Education Committee.
9. Submission and approval of a writing sample.
10. Submission and approval of a video presentation.
11. Successful completion of peer jury.

### Admission for Transfer Students

1. Transfer credit that meets the requirements and standards above, including GPA requirements. All transfer credits must be a “C” or better.
2. Successful completion of Pre-Professional Skills Tests (PPST) with scores that meet or exceed program requirements in the Reading (173), Math (172), and Writing (172) sections.
3. Articulation of additional pre-professional credit as determined by the director of teacher education and the registrar.
4. Submission of formal application to Education Committee.
5. Submission and approval of a writing sample.
6. Submission and approval of a video presentation.
7. Successful completion of peer jury.

### General Requirements for Licensure

The program requires 50 semester hours of general education courses and liberal arts courses for teacher licensure. These courses will include the General Education requirement and additional hours to reflect the following:

- Twelve hours chosen from oral and written communication, literature, and foreign languages.
- Twelve hours chosen from the natural sciences and mathematics, with a minimum of six hours in mathematics.
- Twelve hours chosen from history, social and behavioral sciences.
- The remaining 14 hours may be chosen from the above areas or from religion and philosophy courses, and art or music courses pertaining to history, literature, or appreciation.

### **Professional Requirements for Licensure**

The professional course sequence is designed developmentally and each course has at minimum a 20-hour clinical experience component. Students should plan accordingly when designing their program.

With the exception of EDUC 150, 215, 216, and 416, these courses are open only to students who have been admitted to the teacher education program.

#### **Required of all students:**

In Education:

- 150 Introduction to Education
- 215 Foundations of Education
- 216 Foundations of Education Laboratory
- 322 Educational Psychology
- 323 Introduction to Exceptionalities
- 440 Student Teaching Seminar

#### **Required of elementary majors:**

In Education:

- 336 Introduction to the Reading Process
- 341 Reading in the Elementary School
- 437 Elementary School Methods and Management
- 447 Observation and Supervised Teaching in the Elementary School

#### **Required of early childhood majors:**

In Education:

- 336 Introduction to the Reading Process
- 341 Reading in the Elementary School
- 437 Elementary School Methods and Management
- 446 Observation and Supervised Teaching in Early Childhood Programs

#### **Required if seeking secondary licensure:**

In Education:

- 348 Reading for Secondary Teachers
- 438 Teaching (subject) in the Secondary School
- 439 Secondary School Methods and Management
- 449 Observation and Supervised Teaching in the Secondary School

### **B.A., Major in Elementary Education**

#### **General requirements:**

Fifty hours of liberal arts courses as specified in General Requirements section above.

#### **Professional requirements:**

Ten professional courses as specified in Professional Requirements section above.

**Major requirements** (these courses are open to students who have not yet applied for admission to the teacher education program):

In Education:

- 328 Instructional Strategies in Physical Education for the Elementary Classroom Teacher
- 329 Children's and Adolescents' Literature
- 337 Science in the Elementary School
- 338 Mathematics in the Elementary School
- 341 Reading in the Elementary School
- 342 Language Arts in the Elementary School

345 Social Science in the Elementary School

**Cognate requirements:**

In Art:

223 Art in the Elementary School

In Music:

223 Music in the Elementary School

In Mathematics:

103 Foundations of Basic Mathematics

105 Intermediate Algebra

110 College Algebra, or higher

Students may either complete MATH 103 or earn validation of credit by examination.

**B.A. Major in Early Childhood Education**

The early childhood education program prepares students to teach children from three to age eight (third grade).

This innovative program provides two semesters of field-based experiences where students work together in a cohort group with professionals in the field gaining practical experiences with young children.

**General requirements:**

Fifty hours of liberal arts courses as specified in General Requirements section above.

**Professional requirements:**

Ten professional courses as specified in Professional Requirements section above.

**Major requirements:**

In Education:

311 Introduction to Early Childhood Education

325 Motor Development, Expressive Arts, Social Studies

329 Children's and Adolescents' Literature

333 Teaching Young Children with Disabilities

335 Infant Development

339 Assessment Strategies in Early Childhood

341 Reading in the Elementary School

343 Home, School, and Community

420 Oral Language Development

425 Administration, Guidance, and Behavior

429 Assessment in Early Childhood Intervention

432 Technology in Special Education

435 Science and Math

**Cognate requirements:**

In Mathematics:

103 Foundations of Basic Mathematics

105 Intermediate Algebra

110 College Algebra, or higher

Students may either complete MATH 103 or earn validation of credit by examination.

**Minor in Early Childhood Education**

**Minor requirements:**

In Education:

311 Introduction to Early Childhood Education

An additional 12 hours selected from the following:

325 Motor Development, Expressive Arts, Social Studies

335 Infant Development

339 Assessment Strategies in Early Childhood

343 Home, School, and Community

420 Oral Language Development



## Secondary Education Licensure

Kansas teacher licensure at the secondary level is available in the following subject areas:

1. American History, World History, and Political Science (see requirements under History)
2. Biology (see requirements under Biology)
3. Business (see requirements under Business)
4. Chemistry (see requirements under Chemistry)
5. English (see requirements under English)
6. Mathematics (secondary, middle level; see requirements under Mathematics)
7. Music (K-12; see requirements under Music)
8. Physical Education (K-12; see requirements under Physical Education and Sport Studies)
9. Physics (see requirements under Physics)

### General requirements:

Fifty hours of liberal arts courses as specified in General Requirements section above.

In Mathematics:

- 103 Foundations of Basic Mathematics
- 110 College Algebra, or higher

Students may either complete MATH 103 or earn validation of credit by examination.

### Professional requirements:

Ten professional courses as specified in Professional Requirements section above.

### Subject area requirements:

Requirements of each subject area are listed in that subject's section of the catalog.

## Teacher Education Handbook

For additional information concerning the Southwestern College teacher education program, students should refer to the Teacher Education Handbook, available in the education department.

## Kansas Teacher Competency Test

The Kansas Legislature has mandated that all teacher licensure candidates demonstrate competency prior to Kansas Teacher Licensure. Students must pass the Principles of Learning and Teaching test (PLT) with a score of 161 or higher. This test is given periodically at various Kansas testing centers. Students are responsible for arranging to be tested before applying for state licensure.

Effective July 1, 2003, all teacher candidates are also required to take a nationally-normed content test in the area they will teach.

## Education Courses

### Department Code: EDUC

- 150 Introduction to Education.** An introductory and exploratory course for those considering education as a career. The course is designed to assist each prospective teacher in gaining a valid and comprehensive knowledge of what is involved in a teaching career. Emphasis is placed upon inquiry and personal involvement in planning an effective and successful career in education. Opportunities for school visits will be provided, and all students will participate in the mentoring programs in area schools. Credit 2 hours.
- 215 Foundations of Education.** This course explores the theories and applications of educational philosophies for students' use in both the classroom and their personal and professional lives. Additionally, educational institutions will be examined from historical, economic, sociological, and political perspectives. Credit 3 hours.
- 216 Foundations of Education Laboratory.** This course provides an opportunity for prospective teachers to observe, tutor, or mentor students in a school where there is a diverse population. Students must complete at least 20 hours of work in a school with a diverse population. Prerequisites: EDUC 215 (or concurrent enrollment); EDUC 440, 446, 447, 448, and 449. Credit 1 hour.

- 218 Developmental Psychology.** The development of behavior from infancy through adulthood. Emphasis is placed on learning and environmental factors in the socialization of children and adolescents. Prerequisite: PSYC 112. Cross-listed with Psychology. Credit 3 hours.
- 311 Introduction to Early Childhood Education.** An introductory course for those preparing for licensure to teach in the early childhood area. This course is designed to assist each prospective teacher in gaining a valid and comprehensive knowledge of what is involved in early childhood education. Emphasis is placed upon reflection, inquiry and personal involvement in planning an effective and successful career in early childhood, and developing an understanding of how children develop and learn successfully. Current trends, issues, developmental theories, and research findings related to the education of young children will be explored. Prerequisite: Satisfactory completion of PSYC 112, EDUC 150, and at least sophomore standing. Credit 3 hours.
- 322 Educational Psychology.** A course designed specifically to study the behavior of individuals and groups in educational settings. Emphases are placed upon development, motivation, assessment, individual differences, teaching modalities and learning preferences. Attention is also given to character education and attitudes. Directed observation and participation in the public schools provide practical application of course theory. Twenty hours of observation/participation in a public school classroom required. Prerequisite: Admission to Teacher Education. Cross-listed with Psychology. Credit 3 hours.
- 323 Introduction to Exceptionalities.** A course designed to prepare prospective elementary and secondary teachers in the understanding and appreciation of students with exceptionalities. Emphases are placed upon characteristics and categories of exceptionality, processes of referral, assessment, and placement of exceptional students. Effective teaching practices and observation in the public schools provide practical application of course theory. Twenty hours of observation/participation in a public school classroom required. Prerequisite: Admission to Teacher Education. Credit 3 hours.
- 325 Motor Development, Expressive Arts, Social Studies.** This course will examine the curricula, instructional strategies, and classroom organization for motor development, expressive arts, and social studies relevant to children aged birth through 8. Emphasis will be placed on the interrelatedness of different content areas and their successful implementation in the classroom environment. Prerequisite: EDUC 311. Concurrent enrollment with EDUC 335. Credit 3 hours.
- 328 Instructional Strategies in Physical Education for the Elementary Classroom Teacher.** Designed for K-5 classroom teacher, this course addresses the major concepts of health education, human movement, and physical activity as essential elements which foster a healthy lifestyle. Content includes health, nutrition, safety, impact of movement on brain development and learning, and integrates movement learning theories and practice across all curricular areas and instruction. Credit 2 hours.
- 329 Children's and Adolescents' Literature.** Survey of literature K-12. Exploration of literature and relevant contemporary issues regarding literary works and pedagogy pre-K through 12th grade. Cross-listed with English. Credit 3 hours.
- 333 Teaching Young Children with Disabilities.** This course is designed to prepare prospective early childhood teachers in the understanding and appreciation of young children with exceptionalities. It will provide an overview of early childhood special education including service delivery models, atypical infant/toddler development, the effects of early intervention, and characteristics and etiologies of disabilities in young children. Appropriate delivery systems, assessment, curriculum, and intervention strategies will be considered. Credit 4 hours.
- 335 Infant Development.** The purpose of this course is to introduce students to growth and development issues related to infants and toddlers and to provide experiences with the organization and management of high quality environments for infants. Appropriate play activities will be introduced. Prerequisite: EDUC 311. Concurrent enrollment with EDUC 325. Credit 3 hours.
- 336 Introduction to the Reading Process.** This course introduces prospective early childhood and elementary teachers to children's speech and language development, the recognition and development of emergent literacy, and the foundational knowledge of the reading process. This will include an understanding of basic literacy development and the cultural and linguistic diversity issues related to this development, knowledge of the major components of reading, appropriate methodologies for building an effective balanced reading program, and a variety of assessment tools and practices used to plan and evaluate effective reading instruction. Credit 3 hours.
- 337 Science in the Elementary School.** A course that focuses on methods of science instruction, organizing and presenting science materials for instruction, observation of classroom science presentation, familiarization with current trends in science education, and the development of a background in the content areas of science. Credit 3 hours.

- 338 Math in the Elementary School.** A course focusing on principles and methods of mathematics instruction at the elementary level organized around the 13 math standards of the Kansas State Board of Education (adapted from NCTM guidelines). Development and presentation of math materials and units of instruction, familiarization with current trends in math curriculum and instructional methodology, and attention to evaluating and adapting instructional materials and delivery methods to the needs and learning styles of students are components of this course. Credit 3 hours.
- 339 Assessment Strategies in Early Childhood.** This course is designed to prepare teachers to conduct reliable and valid assessments of children's growth and development in the early childhood arena. Students are introduced to and have an opportunity to practice developing formal and informal assessment devices. Practice in developing and evaluating both open and closed assessment format is also provided. Special attention is given to performance-based assessments, particularly in the context of instruction that is developmentally appropriate. Prerequisite: EDUC 311. Concurrent enrollment with EDUC 343. Credit 3 hours.
- 341 Reading in the Elementary School.** Will emphasize the various methods of teaching and assessing reading in the elementary. It will prepare prospective teachers to develop programs to strengthen vocabulary and comprehension skills, assess growth in reading skills, diagnose reading problems, and adapt instructional materials and delivery methods to meet the special needs and learning styles of students. In conjunction with regular course work, the prospective teacher will gain experience through practical application with a required 20 hour practicum in the public schools. Prerequisite: Admission to Teacher Education. Credit 3 hours.
- 342 Language Arts in the Elementary School.** A study of developing language skills in children, with an emphasis on oral language, viewing, listening, writing, and spelling. Content includes cooperative learning strategies, effective group strategies, and a survey of current trends in language arts instruction, as well as the development of a whole language curriculum, multicultural language arts units, and interdisciplinary units. Credit 3 hours.
- 343 Home, School, and Community.** The purpose of this class is to promote the understanding that quality services for young children and their families are best ensured by establishing collaborative relationships between the home, school, program, and community. A portion of the course focuses on techniques for establishing collaborative relationships with parents and involving family members in the growth and development of the young child. Health, nutrition, and safety issues also will be explored. Prerequisite: EDUC 311. Concurrent enrollment with EDUC 339. Credit 3 hours.
- 345 Social Science in the Elementary School.** A course that emphasizes the relationship of the various social science areas and the elementary school curriculum. Content includes unit and instructional material development and presentation, familiarization with current trends in social studies instruction. Emphases include multicultural instruction, interdisciplinary unit development, and the methodology of content delivery. Credit 3 hours.
- 348 Reading for Secondary Teachers.** This course helps prospective secondary teachers design and develop methods and materials to foster successful reading skills in all content areas. Students also practice adapting teaching strategies and content for special needs or learning styles. In conjunction with regular course work, students gain experience through practical application with a required reading practicum in the public schools. Credit 3 hours.
- 362 Professional Development School Seminar A.** This seminar focus includes acquaintance with PDS site, explorations of "specials" (art, music, library) and their relation to the educational process of the school program, observations, curricular review, and presentations in the content areas of math, social studies, children's literature, art, and music, and lesson design, planning, and methodology. This seminar is taken during the first PDS Module. Open only to and required for students accepted into the Professional Development School program for Elementary Education majors. Credit 1 hour.
- 363 Professional Development School Seminar B.** This seminar focus includes exploration of effective teaching practices, observation, curricular review, and presentation in the content areas of science, language arts, and physical education, familiarization with the state and local testing programs, acquaintance with food service and transportation resources and the particulars associated with the planning and implementation of classroom field trips. This seminar is taken during the second PDS Module. Open only to and required for students accepted into the Professional Development School program for Elementary Education majors. Credit 1 hour.
- 420 Oral Language Development.** This course introduces prospective educators to children's speech and language development, recognition and development of readiness skills, and appropriate methodologies for developing the communications skills of young children. Credit 3 hours.

- 425 Administration, Guidance, and Behavior.** This course will provide an overview of the responsibilities of administrators, directors, and teachers in school and program management. Legal and financial issues also will be covered, as well as ethical aspects of early childhood programs. Additionally, students will be introduced to successful classroom management strategies. Credit 3 hours.
- 429 Assessment in Early Childhood Intervention.** This course will focus upon the administration and interpretation of test instruments including screening tests, formal and informal tests, norm and criterion-referenced tests, and diagnostic and achievement tests. Individual assessment of developmental skills, academic achievement, adaptive behavior, and processes will be included. Credit 3 hours.
- 432 Technology in Special Education.** The goal of this course is to provide an overview of technology, specifically, assistive technology and what it can do for learners with special needs. In addition, students will be able to implement a framework for identifying student needs and determining desired outcomes when choosing technological solutions. Credit 3 hours.
- 435 Science and Math.** This course will prepare prospective teachers to teach science and mathematics in the early childhood (birth through eight) setting. Theories and methodologies will be explored. Special attention will be given to developmentally appropriate activities, with significant emphasis placed on integrating subject matter. Technology issues also will be covered. Credit 3 hours.
- 437 Elementary School Methods and Management.** This course focuses on the development of professional teaching skills for the elementary and middle school teacher, including: a personal philosophy of education; classroom management procedures; a discipline plan; instructional methods and strategies; program, course, unit, and lesson planning; awareness of current trends in education; and assessment/evaluation strategies. During this semester, students complete their professional portfolio and make application for student teaching placement. This course is taken immediately prior to the professional block. Prerequisites: Admission to Teacher Education and senior standing. Credit 3 hours.
- 438 Teaching (subject) in the Secondary School.** This course provides secondary education candidates with instructional strategies, methods and familiarity with current trends in their content area. Students are involved in a mentoring triad with public school teachers, subject area faculty, and the secondary education director. In conjunction with his or her mentor partners, each student develops a plan for study, observation, and practice in the public schools and on campus. Prerequisites: concurrent enrollment in EDUC 439 and successful completion or concurrent enrollment in EDUC 348, or consent of instructor. Credit 3 hours.
- 439 Secondary School Methods and Management.** This course focuses on the development of professional teaching skills for the secondary and middle school teacher, including: a personal philosophy of education; classroom management procedures; a discipline plan; instructional methods and strategies; program, course, unit, and lesson planning; awareness of current trends in education; and assessment/evaluation strategies. During this semester, students complete their professional portfolio and make application for student teaching placement. This course is taken immediately prior to the professional block. Prerequisites: Admission to Teacher Education, and senior standing. Credit 3 hours.
- 440 Student Teaching Seminar.** A seminar course designed to be taken in conjunction with the student teaching block. This course focuses on the theory and application of educational philosophies for the student's use in both classroom and personal professional life. Candidates practice reflection and problem solving of professional issues and tasks which may be encountered by the beginning teacher. Students are also prepared to seek professional positions. Prerequisites: Unconditional admission into student teaching. Concurrent enrollment with either EDUC 446, 447, 448, or 449. Credit 1 hour.
- 446 Observation and Supervised Teaching in Early Childhood Programs.** Clinical experiences in kindergarten through third grade public school classrooms for teacher licensure candidates. Concurrent enrollment with EDUC 440. Prerequisites: Unconditional admission into student teaching. Credit 12 hours.
- 447 Observation and Supervised Teaching in the Elementary School.** Clinical experiences in the public schools for teacher licensure candidates. Concurrent enrollment with EDUC 440. Prerequisites: Unconditional admission into student teaching. Credit 12 hours.
- 448 Observation and Supervised Teaching in the Middle School.** Clinical experiences in the public schools for teacher licensure candidates. Concurrent with EDUC 440. Prerequisites: Unconditional admission into student teaching. Credit 12 hours.

- 449 Observation and Supervised Teaching in the Secondary School.** Clinical experiences in the public schools for teacher licensure candidates. Concurrent enrollment with EDUC 440. Prerequisites: Unconditional admission into student teaching. Credit 12 hours.
- 462 Professional Development School Seminar C.** This seminar focus includes assessment procedures at the classroom and building levels including grades; record keeping and reporting processes; working with parents, including parent/teacher conferences; roles and responsibilities of the home-school specialist, DARE officer, and custodial staff; extended lesson/unit planning and presentation; classroom celebrations; school demographics with implications for program planning, and reading curriculum. This seminar is taken during the third PDS module which immediately precedes the student teaching semester. Open only to and required for students accepted into the Professional Development School program for Elementary Education majors. Credit 1 hour.
- 463 Professional Development School Seminar D.** This seminar focus is Action Research. Students in consultation with PDS liaison, mentors, and site managers design, explore, and implement an action research project within their classroom/building reflective of previous on-site experiences and course work. This seminar is taken during the fourth PDS module which is the student teaching semester. Open only to and required for students accepted into the Professional Development School program for Elementary Education majors. Credit 1 hour.

## Engineering

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Southwestern College offers a dual-degree program in engineering in cooperation with both Washington University in St. Louis and the University of Texas at El Paso. For more information about this program, please see the Physics section of this catalog.

## English

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The major in English prepares students for graduate study within the field of English or within related fields and for all professional study that relies on preparation, analysis, or interpretation of texts.

### B.A., Major in English

#### Major requirements:

In English:

- 115 Introduction to Literary Approaches
- 211 Survey of English Literature 1
- 212 Survey of English Literature 2
- 225 Survey of American Literature 1
- 226 Survey of American Literature 2
- 335 World Literature
- 360 Advanced Composition
- 380 Multicultural Literature
- 454 Senior Project (3 hours)

All requirements of one emphasis area below:

### Emphasis in Literature

#### Requirements:

In English:

- 499 Literary Theory and Criticism

Four additional courses from the following:

- 314 Shakespeare
- 325 The Renaissance
- 340 Language: Structure and Meaning
- 346 Colonial and Post Colonial Literature in English
- 347 Mythology and Literature
- 349 20th and 21st Century Literature

Two additional courses from the following:

- 425 Genre: Short Story

- 427 Genre: Poetry
- 429 Genre: Novella
- 430 Genre: Drama
- 440 Major Authors

### Emphasis in Writing

#### Requirements:

In English:

- 330 Creative Writing: Short Story
- 337 Creative Writing: Poetry
- 348 Creative Writing: Novella

Four additional courses from the following:

- 314 Shakespeare
- 325 The Renaissance
- 340 Language: Structure and Meaning
- 346 Colonial and Post Colonial Literature in English
- 347 Mythology and Literature
- 349 20th and 21st Century Literature
- 425 Genre: Short Story
- 427 Genre: Poetry
- 429 Genre: Novella
- 430 Genre: Drama
- 440 Major Authors
- 499 Literary Theory and Criticism

### Emphasis in Secondary Education

#### Requirements:

In English:

- 328 Young Adult Literature
- 340 Language: Structure and Meaning
- 499 Literary Theory and Criticism

Four additional courses from the following:

- 314 Shakespeare
- 325 The Renaissance
- 346 Colonial and Post Colonial Literature in English
- 347 Mythology and Literature
- 349 20th and 21st Century Literature
- 425 Genre: Short Story
- 427 Genre: Poetry
- 429 Genre: Novella
- 430 Genre: Drama
- 440 Major Authors

All requirements for teacher licensure as listed in the Education section of this catalog

### Minor in English

#### Minor requirements:

In English:

- Two survey courses
- Four additional courses

## English Courses

Department Code: ENG

- 115 Introduction to Literary Approaches.** The course will introduce students to literary genres and the critical tools of literary analysis. Course will focus on application of traditional critical theory, with particular emphasis on analytical reading and the techniques of writing about literature. This course is required for English majors and minors of all emphases. The course is designed to introduce students to the fundamentals of college-level literary study. Credit 3 hours.
- 202 Language, Literature, and Humanity.** Emphasizes literature as a source of pleasure and knowledge about human experience while investigating and practicing techniques of reading, responding to, writing about and enjoying stories. Examines some of the best works in English,

- American, and World literature and considers imagery, characterization, narration, and patterns in sound and sense. This course considers stories in all narrative forms. Credit 3 hours.
- 210 Business Communications.** Course focuses on audience-oriented communication in the corporate culture. Oral and written communication forms, created with a corporate audience in mind, will be practiced using PowerPoint and other visual aids. Emphasis will be on developing and demonstrating communication skills, both singularly and in groups. Course procedures include oral and written communications, group interaction in class, and group project. Cross-listed with Business and Communication. Prerequisites: LAS 110 and 120. Credit 3 hours.
- 211 Survey of English Literature 1.** Study of major English texts from the beginnings of English literature through the neo-classical period in the eighteenth century. Credit 3 hours.
- 212 Survey of English Literature 2.** Study of representative English texts from the Romantic era to the present. Credit 3 hours.
- 220 Interactive Story Telling.** This course explores story telling for interactive media to include computer games. Particular emphasis will be placed upon character development. Traditional and emerging means for accomplishing successful interactivity will be explored, to include elements beyond the traditional use of words and images. Cross-listed with Communication. Credit 3 hours.
- 225 Survey of American Literature 1.** Readings in American literature from the Colonial era through the age of Romanticism. Selections read in the course will include histories, journals, essays, Native American stories and legends, poetry, excerpts from novels, short fiction, and narratives. Credit 3 hours.
- 226 Survey of American Literature 2.** Readings in American literature from 1865 to the present. Readings will include poetry, short fiction, novels, drama, and reflect the cultural and intellectual diversity of American literature from the 1800s to the 20th and 21st centuries. Credit 3 hours.
- 314 Shakespeare.** Introduction to Shakespearean study through the histories, comedies, and tragedies. Credit 3 hours.
- 325 The Renaissance.** An examination of representative documents reflecting the origin and spread of Renaissance practices and ideals from Italy through England and into Northern Europe. Credit 3 hours.
- 328 Young Adult Literature.** Study of literature for grades 6-12 with overall focus on literary analysis and interpretation. Literary themes and social issues pertinent to this age group will be considered, with a particular emphasis on the selection and evaluation of literature for upper-elementary and middle school grades. Study will also focus on the integration of literature and writing as a part of the secondary English curriculum through the middle grades and beyond. Credit 3 hours.
- 329 Children's and Adolescents' Literature.** Survey of literature K-12. Exploration of literature and relevant contemporary issues regarding literary works and pedagogy pre-K through 12th grade. Cross-listed with Education. Credit 3 hours.
- 330-337-348 Creative Writing Sequence.** Includes 330 Short Story, 337 Poetry, and 348 Novella. Emphasis is placed on writing, editing, and evaluating the student's own prose or poetry. Courses may also include reading of traditional, contemporary, and experimental forms of fiction and poetry. Credit 3 hours per course.
- 335 World Literature.** A Study of European and non-European literature in translation. Will focus on classical as well as contemporary texts in translation. The traditional genres of drama, poetry, short story, and novel will be examined. Credit 3 hours.
- 340 Language: Structure and Meaning.** Basic information about analysis and description of human languages and ways in which human beings use their languages to communicate with one another. Cross-listed with Anthropology. Credit 3 hours.
- 346 Colonial and Post Colonial Literature in English.** A critical exploration of how literature participates in the making of a colonial and post colonial national culture. This course will either focus exclusively on the literature of one of the following: British India, Africa, or the West Indies; or it will focus on a combination of these. Credit 3 hours.
- 347 Mythology and Literature.** A critical study of the structure and function of mythology in various cultures of the world. Credit 3 hours.
- 349 20th and 21st Century Literature.** A critical study of the development of new literary forms during the twentieth century and those emerging in the 21st century. Credit 3 hours.
- 360 Advanced Composition.** Rhetorical principles of persuasive writing reviewed and practiced. Prerequisites: LAS 110 and 120. Credit 3 hours.
- 380 Multicultural Literature.** From the barrios of Los Angeles, the fields of Yoder, Kansas, the orchards of Brownsville, Texas, the reservations of the Southwest, the ghettos of New York, and the bayous of Louisiana, America has become not a melting pot but a mosaic or a symphony of ethnic

voices and experiences. This course examines some of the brilliant expressions of these experiences in the United States. Credit 3 hours.

- 420 Business and Administrative Communication.** The study and writing of technical reports, letters, memos, resumes, progress reports, and proposals. The course will also include various functions associated with writing: organization, sentence structure, and grammar in conjunction with rhetorical theory. Cross-listed with Business. Credit 3 hours.
- 425-427-429-430 Literary Genre Block.** Includes 425 Short Story, 427 Genre: Poetry, 429 The Novella, and 430 Drama. One course in a literary genre is taught each semester. Credit 3 hours per course.
- 440 Major Authors and Movements Block.** Each semester a major author or a literary movement will be studied in depth. Examples are: Hemingway or Fitzgerald; Tolstoi, Dostoievski, Faulkner, or Welty; Chaucer or Milton; the Transcendental or the Romantic Movement. Credit 3 hours per course.
- 454 Senior Project in English.** Subject area chosen by student and instructor in conference. Extensive reading and discussion culminating in a paper of depth. Oral examination will be required. Credit 3 hours.
- 499 Literary Theory and Criticism.** Introduction to a variety of theoretical approaches, including classical and contemporary texts. Considers the historical conflicts and issues of theory. Credit 3 hours.

## Essential Skills

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These courses are designed to increase skills in particular areas of identified need. Essential Skills courses are listed with a first digit of zero.

The Learning Center serves all students who want to become more efficient learners. Through individualized study, group instruction, computerized tutorials, or one-on-one tutoring, the student is offered personalized attention while working to improve reading, writing, or study skills. Admittance to Essential Skills 1 and 2 is by consent of the director.

### Essential Skills Courses

#### Department Code: ESKL

- 079 Essential Skills 1.** A course designed to strengthen skills essential to becoming a successful college student. Emphasis placed on study and practice of basic skills in college writing, study techniques, note taking, time management. Required for students who are admitted conditionally, or at recommendation of academic affairs committee. Credit 3 hours.
- 080 Essential Skills 2.** A continuation of ESKL 079, Essential Skills 1, the course is designed to strengthen skills essential to becoming a successful college student. Emphasis is placed on study and practice of basic skills in college writing, study techniques, note taking, test taking, time management, speaking. Required for students who are admitted conditionally, or at the recommendation of the academic affairs committee. Credit 3 hours.
- 090 Quantitative Essential Skills.** A course designed to strengthen quantitative skills essential to becoming a successful college student. It includes a study of whole numbers, signed numbers, fractions, decimals and percents, polynomials, solving linear equations, applications of linear equations, graphing linear equations, problems translated into linear equations, integral powers and scientific notation, radicals, and fractional exponents. Credit 3 hours.

## General Studies (B.G.S.)

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Students may pursue a bachelor of general studies degree in lieu of any other baccalaureate degree. B.G.S candidates must complete a minimum of 36 upper-division credit hours in at least five different disciplines. This degree considers the breadth of course work, and students must, in consultation with an advisor, submit a proposal to the academic dean for approval.



# Geography

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## Geography Course

Department Code: GEOG

**201 World Geography.** An introduction to geography structured around major world regions. Physical environment, political, social and economic geography. Credit 3 hours.

# History

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Students majoring in history develop a critical consciousness of self, society, and the world while enriching their understanding of the history of various societies around the world as well as the political, social, and economic history of the U.S. Students will also develop the critical thinking skills necessary to think historically, or to view ideas, individuals, and events in their proper context, by practicing these skills with a wide variety of subjects. It is important to understand history not only as a content area, but as a craft. Thus, history majors will also learn to generate historical knowledge by conducting original research. Throughout this program of study, history majors will develop research, writing, and communication skills suitable for a variety of career possibilities.

## B.A., Major in History

### Major requirements:

In History:

364 Junior Research Methods

464 Senior Research Seminar

Nine credit hours selected from:

121 World History to 1500

122 World History since 1500

131 American History to 1865

132 American History since 1865

Fifteen additional hours in History electives as approved by the History faculty but no more than six hours of 352 or 452 Readings courses, for a total of 30 credit hours in History.

### Cognate requirements:

In Political Science:

205 Public Policy

213 American Politics

In Mathematics:

215 Introduction to Statistics, or a computing course

In Geography:

201 World Geography

In Anthropology:

219 Cultural Anthropology

## Minor in History

### Minor requirements:

In History:

Nine hours selected from:

121 World History to 1500

122 World History since 1500

131 American History to 1865

132 American History since 1865

Nine additional hours in History electives but no more than three hours of 352 or 452 Readings courses, for a total of 18 credit hours in History.

## Secondary Licensure in History

Completion of this program is required for secondary licensure in American history, world history, and political science.

### Requirements:

In History:

- 121 World History to 1500
- 122 World History since 1500
- 131 American History to 1865
- 132 American History since 1865
- 332 Kansas History
- 364 Junior Research Methods
- 464 Senior Research Seminar

(In addition, nine or more credit hours of History electives will be necessary to complete History major requirements.)

In Political Science:

- 205 Public Policy
- 213 American Politics

In Geography:

- 201 World Geography

In Anthropology:

- 219 Cultural Anthropology

In Economics:

- 101 Principles of Microeconomics

All requirements for Kansas teacher licensure as listed in the Education section of this catalog.

## History Courses

Department Code: HIST

- 121 World History to 1500.** An introduction to the history of the major civilization centers of the ancient and medieval world, from the Middle East to Asia and Africa, Europe, and the Americas. Credit 3 hours.
- 122 World History since 1500.** An introduction to the history of the major states and regions of the world in modern times, from the discovery of the New World to the present. Credit 3 hours.
- 131 American History to 1865.** A survey of the history of North America from colonial times through the founding of the United States, to the close of the Civil War. Credit 3 hours.
- 132 American History since 1865.** A survey of the history of the United States from the Reconstruction to the present, with an emphasis on the changing domestic developments and emerging international role of the U.S. Credit 3 hours.
- 222 North American Indian Cultures.** An ethnology course covering the culture areas and selected tribes of Native Americans at the time of first contact with Europeans. Some consideration of problems of acculturation is included. Cultural Anthropology recommended but not required as a prerequisite. Cross-listed with Anthropology. Credit 3 hours.
- 325 Modern China and Japan.** A study of the history of China and Japan in modern times and the impact of the West, emphasizing China's disintegration and Japan's successful modernization in the face of foreign pressure. Credit 3 hours.
- 331 19th Century U.S. History.** An in-depth examination of American history from the 1780s through the Jeffersonian-Jacksonian period to the Civil War, followed by Reconstruction and the industrialization of the economy, focusing on political, economic, and social developments. Credit 3 hours.
- 332 Kansas History.** A detailed investigation of the land, peoples, cultures, and socioeconomic development. Credit 3 hours.
- 335 History of American Christianity.** A survey of people, places, and events of American Christianity set in the larger context of world history. It invites students to explore the role Christianity has played in North America in shaping (as well as being shaped by) cultural characteristics of the United States. Cross-listed with Religion. Credit 3 hours.
- 337 History of Methodism.** An introduction to the general characteristics of Methodism, focusing on the United Methodist Church in the United States. Beginning with John Wesley, it moves to the history of American Methodism, considers doctrinal controversies and changes, surveys

- denominational structures and touches upon contemporary issues. The course provides an overall introduction to the history, doctrine, and polity courses required for seminary students planning to enter United Methodist ministry, but is accessible to all students interested in gaining familiarity with this denomination. Cross-listed with Religion. Credit 3 hours.
- 342 Russian History.** A broad examination of Russian politics and society from the origins of Russia in the ninth century, to its rebirth under Moscow after the Mongol occupation, with special emphasis on the nineteenth and twentieth centuries. Credit 3 hours.
- 343 Russian Cultural History.** A survey of Russian culture from medieval to modern times, with special attention to music, visual arts, the literature of the nineteenth and twentieth centuries, and Soviet/post-Soviet cinema. Credit 3 hours.
- 345 The Medieval World.** An in-depth examination of the major new empires in medieval times— Islam, Christian Europe, and the Mongols—and how their interactions of warfare, colonization, travel, and trade constituted the medieval “world.” Credit 3 hours.
- 352 Readings in History.** To be arranged with instructor. Limited availability. Credit 1 to 3 hours.
- 355 Advanced Topics in History.** An in-depth analysis of a particular historical problem or theme. Topics are dependent upon the interests of the history faculty but will address a specific period, region, thematic area, or historiographical approach. Credit 3 hours.
- 364 Junior Research Methods.** An introduction to critical issues of history as a professional craft, designed to provide hands-on experience with research topic selection, historical source collection, primary source interpretation, and attendant issues of historiography and theory. Required of all junior history majors. Graded S/U. Credit 3 hours.
- 383 Revolutionary Europe.** A broad examination of the idea of revolution and the era of political, scientific, and industrial revolutions in Europe, from 1688 to 1917, with special attention to their impact on the twentieth century and contemporary world. Credit 3 hours.
- 385 Revolutionary World.** A comparative examination of several of the major revolutions of the twentieth century, including the communist, nationalist, and religious influences that helped bring them about. Credit 3 hours.
- 388 Critical Issues of History and Film.** An examination of the pros and cons of film as an increasingly popular and frequently inaccurate medium for historical subjects. Recommended for future secondary educators. Credit 3 hours.
- 422 20th Century World History.** An overview of major global trends and events in the twentieth century, with emphasis on the interaction between the U.S., other nations, and international organizations in a global context. Credit 3 hours.
- 452 Readings in History.** To be arranged with instructor. Limited availability. Credit 1 to 3 hours.
- 459 Practicum in History.** Designed to give the student experience in museum or historical archives work. Prerequisite: Submission of required paperwork to the registrar’s office. Credit 1 to 5 hours.
- 464 Senior Research Seminar in History.** A consideration of historiography as the philosophy of history and the methodology of historical research and writing. Students will read and discuss texts on the practice of history and as the main component of the course grade, will develop a topic to research, write, and present in a senior thesis for both peer and faculty review. Required of all senior history majors. Prerequisite: HIST 364 and consent of instructor. Credit 3 hours.

## Integrative Studies

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### B.A., Major in Liberal Arts and Sciences

This major provides students with a holistic view of education and life as well as a recognition that they are part of a greater global whole. These students must have at least a rudimentary awareness of the natural sciences, social sciences, arts, and communication.

#### Major requirements:

In Integrative Studies:

297 Quantum Renaissance: My Big T.O.E. (Theory of Everything)

352 Readings in Integrative Studies (3 hours)

Twelve additional hours taken beyond the college requirements

#### Cognate requirements:

In English:

325 The Renaissance

Twenty-one hours of electives from different majors to be approved by the Integrative Studies Council. Completion of at least one minor in another discipline.

## Minor in Environmental Studies

### Minor requirements:

In Natural Science:

201 Environmental Issues

In Chemistry:

111 General Chemistry 1

In Biology:

336 Ecology

In Political Science:

222 International Relations

In Economics:

101 Principles of Microeconomics

## Minor in Leadership

### Minor requirements:

In Social Science:

201 Introduction to Leadership

206 Exploring Leadership

307 Applied Leadership

408 Advanced Leadership

In Communication:

One course selected from:

102 Elements of Oral Communication

210 Business Communication

At least three additional hours selected from SOCS 330 Service-Learning Travel, a practicum or internship in the student's major field of study (approval required from director of leadership), or study abroad.

## Integrative Studies Courses

Department Code: LAS

- 110 College Writing 1.** A writing intensive course that considers the rhetorical strategies and issues of the different disciplines. Integration of varied modes of communication: oral, written, and technological. Credit 3 hours.
- 120 College Writing 2.** A writing intensive course stressing research methods across the disciplines. Emphasis on different methodologies used in a variety of fields, including social sciences, humanities, and natural sciences. Prerequisite: Successful completion of LAS 110. Credit 3 hours.
- 140 Modern Civilization.** An examination of the history and culture of a country/region of the world since 1500 to seek to discover our own cultural biases and to discover ways that we may examine, appreciate, and interact with other cultures. Credit 3 hours.
- 150 Creativity in the Arts.** What is art? What is creativity? How are the two related? The study, application, and expression of art and its dependency on creativity and the creative process will be examined from contemporary as well as original, historical, and theoretical perspectives. From the classroom to the auditorium to the gallery and beyond, students will have real life exposure to and examination of many of the fine and applied arts. Credit 3 hours.
- 160 Applied Creativity.** Hands on activities featured from several disciplines; most based primarily in the fine and applied arts. Activities to include optional modules from fields which require creative responses to real world problems. Within multi-disciplinary framework, students introduced to a wide variety of creative possibilities. Credit 3 hours.
- 165 Computer, Brain, and Society.** Investigations into the impact of the computer on society and its role in performing functions associated with human intelligence. Credit 3 hours.
- 185 Mind, Body, Universe.** A biopsychosocial spiritual approach to mind and body interactions. Both community service and physical activity are emphasized as paths to individual and social wellness. Credit 3 hours.
- 202 Future Watch.** Course will examine institutions, national and multinational corporations, and human and natural resources which will determine the social and economic future of Generation X. Credit 3 hours.
- 205 Money.** Consumerism in a fluid economy. Students become familiar with basic economic terminology, fundamentals of personal finance, and basic business principles. Features interactive exercises, field trips, and case studies. Credit 3 hours.

- 207 **From Alchemy to Chemistry.** Begins by examining alchemy through literary and philosophical texts of the Middle Ages and the Renaissance and proceeds to a more recent understanding of chemistry: The class will consider the Medieval and Renaissance alchemical precursors and more recent advances in the field. Will include simple experiments that demonstrate the magic of alchemy and the science of chemistry. Credit 3 hours.
- 215 **Race, Age, and Ethnicity.** Provides fundamental information about persons from different race and ethnic groups, as well as from different age cohorts. This information will be utilized to develop an understanding of our own lives in relation to others. Credit 3 hours.
- 217 **Beyond Race and Racism: Ethno-Cultural Appreciation.** Twofold emphasis: 1) increasing students' awareness of their own ethno-cultural roots and the influence of these roots on their world views and interactions with others, and 2) increasing students' understanding of and sensitivity to the experience of being an ethnic minority in the U.S. today. Credit 3 hours.
- 220 **Gender.** An examination of differences and similarities between the sexes. Based on recent psychological and linguistic research, an exploration of the impact of gender on social, economic, political, and aesthetic models of reality. Credit 3 hours.
- 225 **Prairie Life.** An examination of the people of Kansas and their interaction with historical events and the environment using historical and literary sources, field experiences, films, and student research. Credit 3 hours.
- 227 **Gendering.** Will present theories of how gender is constructed and how we appropriate those constructions both consciously and unconsciously; approach will be psychological; applications will be literary. Credit 3 hours.
- 231 **Theatre Across the Disciplines.** This lab-intensive course stresses theatre involvement and methods across the disciplines. Emphasis is placed on communicating with and developing empathy for others in a variety of fields including the humanities, social sciences, and natural sciences. The course seeks to connect learning and sharing among all disciplines through theatre games, creative dramatics, and dramatic literature and its performance across campus and in the surrounding community. As theatre entertains and teaches, it helps us build connections to understand ourselves and our world. Credit 3 hours.
- 233 **New Frontiers in American Education.** Focuses on the changing world of American education with an emphasis on information gathering through guest speakers, on-site visits, and participation in the various entities which constitute current educational trends. Designed for students in any field of study, this course will provide opportunity for identification and evaluation of the skills contemporary high school graduates will bring to the workplace and to higher education in the 21st century. Credit 3 hours.
- 234 **Psychology and Art.** An exploration of how art and psychology are interrelated. Students will be introduced to famous artists, their lives, and their art. Emphasis on artists who may have been labeled mentally ill. Some work in color and color psychology. Credit 3 hours.
- 235 **Language.** Examination of the history and origin of the English language; additional sign systems both linguistic and non-linguistic will be explored. These may include music and mathematical notation, color theory, and body language. Credit 3 hours.
- 236 **Women in Art.** A reflective look at women in art and why society has been so slow to recognize women in the arts. An examination of women artists through analysis of style, technique, media, and design. Credit 3 hours.
- 237 **Art as Therapy.** Examines the uses of two and three dimensional art forms as they are currently used in diagnostic and therapeutic interventions. Credit 3 hours.
- 240 **Truth and Beauty: Chaos and Fractals.** Begins with classical treatments and definitions of truth and beauty in early texts. Contemporary definitions sought. Concludes with focus on recent claims raised by those developing chaos theory and fractal geometry. The power, development, and uses of complex analysis examined. Credit 3 hours.
- 242 **Mathematics and Art.** A study of the geometric connections between art and mathematics including tessellations in different cultures, Fibonacci sequences, the Golden Ratio and Golden sections, and work by artist M. C. Escher. Credit 3 hours.
- 244 **Mathematical Bridges to Science.** The mathematics of social choice, management science, mathematical logic, Fuzzy Logic and its applications, Euler Circuits, and Graph Theory. In addition the course will explore mathematical structures and approaches from cultures outside the current mathematical mainstream. Credit 3 hours.
- 247 **Buddhism.** Examines common tenets of various Buddhist forms, the history and practice of Buddhism, and the current application and misapplication of Buddhist thought in contemporary American contexts. Credit 3 hours.

- 257 Sights and Sounds: Sense and Sensibility.** Course features an exploration of parallels between art and music as well as the interactions among the artists and musicians who created those forms. Credit 3 hours.
- 260-265-270-274 World Literature and Cinema.** Each semester literature and film representing a different country, culture, or geopolitical region featured. The intent is to examine cultural definitions through comparative modes of creative expression. These to include: African, the Americas, Indian, Asian, Slavic, and European modes and cultures. Topic announced each semester. Credit 3 hours.
- 262 Science Fiction Television.** Examines the history of the genre to see how programming has dealt with significant political and social issues in a way unexplored in most dramatic television. It will also explore theories of Carl Jung to see how archetypes help to unify character and theme in Science Fiction TV. An additional focus will be on attempts of futuristic series to create a modern mythic construct for a society devoid of a unified native mythos. Credit 3 hours.
- 275 Life on Earth: A History.** A multi-disciplinary exploration of the history of life on earth. In addition to an examination of evolutionary explanations for the unity and diversity of life, this course will discuss the historical and philosophical aspects of the study of evolution. Topics such as the origin of life, mass extinctions, extraterrestrial life, and human evolution will be examined. Credit 3 hours.
- 277 Genetics: Promises and Perils.** Basic principles of genetics will be introduced as a foundation for examining applications of genetics in medicine, forensics, agriculture, counseling, law, and general issues of social engineering. The specific topics examined will depend on interests of students enrolled. Credit 3 hours.
- 282 Myths and Their Makers.** An examination of the life and work of Joseph Campbell as it relates to the power of myth in various cultures. Course will also evaluate poetry, fiction and films which embody Campbell's ideas. Credit 3 hours.
- 297 Quantum Renaissance: My Big T.O.E. (Theory of Everything).** Students will develop four to five "life-changing or vexing" questions that they expect to be important to them throughout their lives. They will acquire resources on those topics (research, books, interviews, videos, etc.), write preliminary position papers, and present symposium discussions on each topic. Credit 3 hours.
- 352 Readings in Integrative Studies.** Students will take this independent study with faculty members of their choice who will suggest a book that "changed their life." The student will read the book, discuss it with the faculty member, and turn in a final critical or experiential paper for grade. LAS majors must complete three of these readings. Credit 1 hour. May be repeated for credit.
- 499 Responsibility for the Future.** Seniors with various majors will share learnings and approaches from their different disciplines toward dealing holistically with issues that shape the future, seeking to integrate disciplines and to synthesize knowing, caring, and doing. Credit 3 hours.

## Languages

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The program in modern languages prepares students for graduate study, for professional study, for teaching, or for a wide range of occupations. In addition to on-campus major requirements, students in this major are required to earn a minimum of 15 credits through study outside the U.S. with a program offering credits through an accredited U.S. university. **The Modern Language Program is currently under review. For up-to-date information, contact the director of integrative studies.**

### Spanish Track

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#### Intensive Foreign Language Program (Spanish)

Students in this program study language intensively (the equivalent of 10 traditional semester hours) during the first semester of their freshman year in an immersion model focusing on speaking and listening. In the second semester they study abroad as a cohort in a carefully selected program with a focus on language acquisition as well as coursework comparable to the integrative studies curriculum. On return to campus these students complete additional modern language courses and engage in service-learning internships and programs that will enable them to demonstrate proficiency in the language.

Successful completion of 131 and 132 plus LAS 110 College Writing 1 satisfies the freshman year general education requirements.

This program does not lead to a major. Rather, the goal is to provide students with proficiency in a second language leading to American Council on the Teaching of Foreign Languages licensure at the advanced level.

**Program requirements:**

In Spanish:

131 Intensive Spanish Block 1

132 Intensive Spanish Block 2

Fifteen additional hours in advanced Spanish courses

**Spanish Courses**

Department Code: SPAN

- 131 **Intensive Spanish Block 1.** Instruction will focus primarily on immersion in listening and speaking, secondarily on reading and writing, in the context of Latin American culture, using the ACTFL guidelines. In addition, students will complete a service-learning component or internship in major related setting. Credit 10 to 12 hours.
- 132 **Intensive Spanish Block 2.** This block consists of a semester study in Central or Latin America, focusing on immersion in listening, speaking, reading, and writing as well as coursework selected to meet the goals of the integrative studies curriculum. Credit 15 hours.
- 321 **Conversation and Composition 1.** An advanced course designed to progress toward fluency in the oral use of the language, ability to read with understanding, and to write with clarity. Topics for conversation and composition will be selected from contemporary culture and Spanish-language literature adapted to the needs of those enrolled. Prerequisite: SPAN 132 or equivalent. Credit 3 hours.
- 322 **Conversation and Composition 2.** An advanced course allowing a student to consolidate the foundation in understanding, speaking, reading, and writing the language. Skills developed by application to topics of general interest. Prerequisite: SPAN 321 or equivalent. Credit 3 hours.
- 328 **Spanish and Latin American Culture.** A panoramic view of the political, social, and economic development. Prerequisite: SPAN 132. Credit 3 hours.
- 329 **Latin American Culture in the United States.** Study of problems confronted by the Spanish-speaking population in the United States and how these problems affect the process of learning in children belonging to that segment of the American population. Prerequisite: SPAN 132. Credit 3 hours.
- 330 **Contrastive Phonetics.** Practical phonetics, with exercises stressing individual sounds, sound patterns, intonation, and rhythm, in Spanish, contrasted with English. Prerequisite: SPAN 132. Credit 3 hours.
- 428 **Latin American Literature.** A study of Latin American literature in Spanish, covering the works of the most representative writers, emphasizing the twentieth century, giving attention to the various genres of literature from a historical perspective. Prerequisite: SPAN 132. Credit 3 hours.
- 429 **Spanish Literature.** A survey of classical literature and contemporary writers of Spain in selected represented works. Prerequisite: SPAN 132. Credit 3 hours.

**Library and Information Sciences**

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Library and Information Sciences is a field in which professional and technical practitioners nurture research and information literacy while facilitating both access and transfer of information.

The Southwestern College Memorial Library is dedicated to assisting students to become confident and informed users and disseminators of information by fostering the ability to critically evaluate information resources, providing exposure to a wide array of information mediums, and developing students' abilities to use information technology.

A pre-professional minor that will assist in preparing students for graduate study or for a wide range of library and information science technical service occupations, this course of study is composed of 18 credits and represents a combination of traditional coursework and practicums.

## Minor in Library and Information Services

### Minor Requirements:

Twelve hours in Library Science:

- 101 Basic Library and Information Skills
- 202 History of Libraries
- 355 Topics (repeatable)

Any two practicums selected from the following:

- 459A Practicum in Reference/Circulation
- 459B Practicum in Cataloging
- 459C Practicum in Serials
- 459D Practicum in Resource Sharing
- 459E Practicum in Technical Service

### Cognate requirements: 6 credits total

Two courses selected from the following:

In Accounting:

- 281 Financial Accounting

In Business:

- 394 Marketing

In Communication:

- 102 Elements of Oral Communication

In Computer Science and Digital Arts:

- 211 Basic Information and Web Site Design

## Library Science Courses

Department Code: LBIS

- 101 Basic Library and Information Skills.** An introduction to the primary elements of the information transfer cycle, search methodologies, classification systems/theory, and information ethics. Credit 2 hours.
- 202 History of Libraries.** Spanning a time period from Ashurbanipal's library at Nineveh to the "Virtual Library," study will focus on book technology throughout the ages and the history of librarianship. Credit 3 hours.
- 459A Practicum in Reference/Circulation.** In this practicum the student will undertake 60 hours of library work experience under the supervision of the reference department of the Southwestern College Memorial Library. Written assignments and readings in Reference and Circulation theory/practice will enrich this learning experience. Credit 2 hours.
- 459B Practicum in Cataloging.** Work experience within the Southwestern College Memorial Library consisting of 60 hours of hands-on cataloging. Additional written assignments will under gird the learning experience. Credit 2 hours.
- 459C Practicum in Serials.** Work experience within the Southwestern College Memorial Library consisting of 60 hours of serials processing under the supervision of the serials department. Written assignments will play a part in the practicum experience. Credit 2 hours.
- 459D Practicum in Resource Sharing.** Facility in obtaining resources from external institutions will be developed through a combination of 60 hours of hands on work experience in the Southwestern College Memorial Library resource sharing department and written assignments. Credit 2 hours.
- 459E Practicum in Technical Service.** An essential element of library service involves technology. Students will undertake 60 hours of work experience in the Southwestern College Memorial Library. Tasks may involve web page design/maintenance, work with the library's automation system, and database maintenance under the supervision of the appropriate library personnel. Prerequisite: CPTR 211. Credit 2 hours.



## Marine Biology

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See also Biology.

### **B.S., Major in Marine Biology**

#### **Major requirements:**

In Biology:

- 111 Biology 1
- 112 Biology 2
- 216 Cell Biology
- 230 Genetics and Evolution
- 305 Marine Biology
- 461 Seminar in Biology
- 463 Research Design

A full semester of course work (12-15 credit hours) in marine biology will be taken at a marine biological field station. Both the course work and field station must receive prior approval in order to be considered for fulfillment of degree requirements. These courses count as courses taken on the campus of Southwestern College in fulfilling graduation requirements.

#### **Cognate Requirements:**

In Chemistry:

- 111 General Chemistry 1
- 112 General Chemistry 2
- 221 Organic Chemistry 1

In Mathematics:

- 215 Introduction to Statistics

## Mathematics

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Mathematics classes at Southwestern College are small, encouraging vital interpersonal relationships between faculty and students. The mathematics department offers the bachelor of arts and bachelor of science degrees in mathematics, and assists students in meeting the Kansas State Board of Education requirements for secondary school licensure in mathematics. The department also serves education students who plan to teach mathematics at the middle school level.

### **B.S., Major in Mathematics**

#### **Major requirements:**

In Mathematics:

- 222 Calculus 1
- 223 Calculus 2
- 224 Calculus 3
- 240 Statistics and Probability
- 319 Linear Algebra
- 320 Introduction to Advanced Mathematics
- 321 Ordinary Differential Equations
- 331 Foundations of Geometry
- 444 Abstract Algebra
- 445 Mathematical Analysis
- 447 Complex Variables

#### **Cognate requirements:**

In Computer Science and Digital Arts:

- 112 Programming 1 (or any other high-level programming language)

In Physics:

- 211 General Physics 1
- 212 General Physics 2

## **B.A., Major in Mathematics**

### **Major requirements:**

In Mathematics:

- 222 Calculus 1
- 223 Calculus 2
- 224 Calculus 3
- 240 Statistics and Probability
- 319 Linear Algebra
- 320 Introduction to Advanced Mathematics
- 321 Ordinary Differential Equations
- 331 Foundations of Geometry
- 444 Abstract Algebra

### **Cognate requirements:**

In Computer Science and Digital Arts:

- 112 Programming 1 (or any other high-level programming language)

In Physics:

- 211 General Physics 1
- 212 General Physics 2

## **Minor in Mathematics**

### **Minor requirements:**

- 222 Calculus 1
- 223 Calculus 2

Nine additional hours of math courses of 200-level or above (excluding MATH 438)

## **Licensure in Middle Level Mathematics**

### **Requirements:**

In Mathematics:

- 110 College Algebra
- 222 Calculus 1
- 240 Statistics and Probability
- 320 Introduction to Advanced Mathematics
- 331 Foundations of Geometry
- 438 Teaching Mathematics in the Secondary School

In Computer Science and Digital Arts:

- 112 Programming 1 (or any other high-level programming language)

All requirements for Kansas teacher licensure as listed in the Education section of this catalog.

## **Licensure in Secondary Mathematics**

### **Requirements:**

In Mathematics:

- 222 Calculus 1
- 223 Calculus 2
- 224 Calculus 3
- 240 Statistics and Probability
- 319 Linear Algebra
- 320 Introduction to Advanced Mathematics
- 321 Ordinary Differential Equations
- 331 Foundations of Geometry
- 438 Teaching Mathematics in the Secondary School
- 444 Abstract Algebra

In Computer Science and Digital Arts:

- 112 Programming 1 (or any other high-level programming language)

In Physics:

- 211 General Physics 1
- 212 General Physics 2

All requirements for Kansas teacher licensure as listed in the Education section of this catalog.

## Mathematics Courses

Department Code: MATH

- 103 Foundations of Basic Mathematics.** Numbers and operations, fractions and operations, decimals, ratio, proportion and percent, introduction to algebra, geometry, measurement, statistics, and problem-solving techniques, including the use of technology. Credit 3 hours.
- 105 Intermediate Algebra.** Fundamental operations, factoring, fractions, positive, negative, zero, and fractional exponents, linear and quadratic equations, systems of linear equations. Prerequisites: One year of high school algebra or consent of instructor. Credit 3 hours.
- 110 College Algebra.** A review of Intermediate Algebra with more depth in the topics. Also logarithmic and exponential functions, the binomial theorem, systems of quadratic equations, and matrices and determinants. Prerequisites: MATH 105, or two years of high school algebra, or consent of instructor. Credit 3 hours.
- 112 Trigonometry.** A basic course in plane trigonometry. Prerequisite: MATH 110 or two years of high school algebra. Credit 3 hours.
- 215 Introduction to Statistics.** Application of elementary statistical tools in the analysis of grouped or ungrouped data. Statistical decision and analysis of variance. Basic probability theory. Designed to meet the statistical needs of the science, business, education, and social science student. Prerequisite: MATH 105 or one year of high school algebra. Credit 3 hours.
- 222 Calculus 1.** Limits, differentiation, integration of elementary functions with applications. Prerequisite: MATH 110 or equivalent. Credit 4 hours.
- 223 Calculus 2.** Differentiation, integration of trigonometric, exponential, logarithmic, inverse trigonometric, and hyperbolic functions, techniques of integration, and L'Hospital's rule. Prerequisites: MATH 222 and 112 or equivalent. Credit 4 hours.
- 224 Calculus 3.** Iterative integrals, partial differentiation, infinite series, with applications. Prerequisite: MATH 223. Credit 4 hours.
- 240 Statistics and Probability.** Basic statistics and probability theory and their applications in the analysis of data distributions. Inference for means, proportions, regression, Bayes' Rule, continuous joint distributions. Minitab computer applications in all areas. Prerequisite: MATH 222. Credit 4 hours.
- 319 Linear Algebra.** A study of matrices, determinants, vector spaces, changes in bases, and linear transformations with applications. Maple computer applications in different topics. Prerequisite: MATH 110. Credit 3 hours.
- 320 Introduction to Advanced Mathematics.** Develops the concept of theorem proving. Covers induction, fundamentals of set theory and logic, cardinal numbers, partially ordered sets, relations, and functions. Introduction to basic structures, to algebra and analysis, and to the history of their development. Prerequisite: MATH 222. Credit 3 hours.
- 321 Ordinary Differential Equations.** Solution methods for ordinary differential equations, including series techniques and Laplace transforms, with applications. Prerequisite: MATH 224. Credit 3 hours.
- 331 Foundations of Geometry.** A study of axiomatic systems, Euclidean geometry (with emphasis on what should be taught in high school), non-Euclidean geometries, and the history of mathematics. Prerequisite: MATH 320. Credit 3 hours.
- 353 Problems in Mathematical Science.** Students who have demonstrated superior achievement in mathematics, by approval of the mathematics program, may enroll for independent study under the supervision of a faculty in this program. Prerequisite: MATH 320. Credit 1 to 3 hours.
- 438 Teaching Math in the Secondary School.** Study of the new and traditional methods in teaching mathematics in the secondary school. The course will provide an overview of all secondary mathematics courses and introduces manipulatives and software appropriate for each subject. Satisfies teacher licensure requirement for Education 438. Prerequisite: MATH 331. Credit 3 hours.
- 444 Abstract Algebra.** Study of the classical algebraic systems. Topics include groups, symmetric groups, rings, ideals, quotient rings, and fields. Prerequisite: MATH 320. Credit 3 hours.
- 445 Mathematical Analysis.** Introduction to the topology of the real line, and to open and closed sets. It includes results concerning functions of one variable, limits of sequences, completeness, compactness, and continuity. Prerequisite: MATH 320. Credit 3 hours.
- 447 Complex Variables.** Study of the algebraic properties of complex numbers, complex functions, analytic and harmonic functions, complex integration, and series representations. Prerequisite: MATH 320. Credit 3 hours.

## Music

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The music department at Southwestern College is dedicated to helping all students who participate in its programs reach their maximum potential. Toward that end the music department makes a strong commitment to the liberal arts by providing all students with varied and significant classroom experiences and performance opportunities; prepares music students with the knowledge, skill, attitude, and appreciation necessary for them to be successful as professional music educators and performers; provides each music student with a wide range of educational and musical experiences which encourage continued professional growth; and serves as a center of musical excellence to its constituency—the school, the church, and the surrounding community.

### General Requirements of Music Majors

- Concert Attendance, Music 099, is required each semester, except during student teaching semester.
- Ensemble participation is required each semester. Pianists may accompany for this requirement.
- A sight singing proficiency and a piano proficiency are requirements for music degrees. Completion of these proficiencies must be satisfied prior to student teaching and graduation.
- All music majors, unless excused by faculty, must be enrolled in private music lessons each semester in school.
- A senior recital is required of all students seeking the B.Mus., major in music education degree. B.A., major in music candidates must complete a senior recital or optional requirements outlined in the Music Handbook.
- The senior project, although recommended, is not required in every case. It may be combined with the senior recital.

### Private Music Lessons

Private lessons are offered in increments of one, two, or three hours of credit. Students enrolling for one hour of credit receive a half-hour lesson each week and are expected to practice a minimum of six hours a week. Instruction is offered in the following areas: organ, piano, harpsichord, voice, strings, brass, woodwinds, guitar, percussion, and composition.

### B.Mus., Major in Music Education

#### Major Requirements:

In Music:

- 111 Foundations in Music
- 112 Music Theory 1
- 115 Beginning Guitar
- 117 String Methods
- 118 Vocal Methods
- 211 Music Theory 2
- 212 Music Theory 3
- 215 Beginning Conducting
- 217 Woodwind Methods
- 219 Brass Methods
- 224 Elementary School Music Methods
- 311 Music Theory 4
- 313 Music History 1
- 314 Music History 2
- 315 Advanced Conducting
- 317 Percussion
- 321 Orchestration
- 325 Marching Band Methods or 328 Vocal Diction
- 438 Teaching and Directing Music in the Secondary School

Seven hours of private music lessons  
 Seven hours of ensemble participation

All requirements for Kansas teacher licensure as listed in the education department section of this catalog.

## B.A., Major in Music

### Major requirements:

At least 30 hours in Music to include:

- 111 Foundations in Music
- 112 Music Theory 1
- 211 Music Theory 2
- 212 Music Theory 3
- 311 Music Theory 4
- 313 Music History 1
- 314 Music History 2

At least 10 hours of private music lessons to include two hours of keyboard unless exempted by proficiency examination.

Participation in an ensemble is required each semester.

The maximum number of hours in music which may be credited toward this degree is 51; no more than 16 of these hours may be in private lessons.

## Minor in Music

### Minor requirements:

At least 18 hours in Music to include:

- 111 Foundations in Music
- 313 Music History 1 or 314 Music History 2

Four hours of private music lessons

Four semesters of ensemble participation

The remaining three hours can be selected from:

- 112 Music Theory 1
- 118 Vocal Methods
- 215 Beginning Conducting
- 313 Music History 1
- 314 Music History 2

Any one-hour credit course, ensemble, or applied lesson.

099 Concert attendance required four semesters.

Students selecting a minor in music must have their program approved in advance of registration by the Music Minor Advisor.

## Music Courses

### Department Code: MUS

\*Only the music courses marked with an asterisk meet state requirements as courses in the liberal arts. Students taking music courses to fulfill the liberal arts requirements for teacher licensure must choose from them.

**099 Concert Attendance.** A required course for all music majors in concert attendance. This course is required each semester of residence up to a maximum of eight semesters (not required during the student teacher semester). Credit 0 hours.

**111 \*Foundations in Music.** Emphasis on examining the ways in which sound is organized into musical structures. Topics include the physical properties of sound; introduction to the basic vocabulary of Western Music (intervals, scales, triads, key signatures, rhythm, and meter); music in non-western cultures; and basic musical form and analysis. Includes an introduction to aural comprehension through sight singing, dictation, and critical listening. Credit 4 hours.

**112 Music Theory 1.** A compendium of musical construction including the study of melody and two- and three-voice combinations. Aural comprehension is correlated throughout, and aural application of all elements of study is stressed. The development of keyboard skills and music reading is emphasized. Prerequisite: MUS 111 or consent of instructor. Credit 4 hours.

**115 Beginning Guitar.** Introduction to guitar which includes folk and classical styles, various picking and strumming combinations, and an emphasis on solo and ensemble playing. Credit 1 hour.

**117 String Methods.** An introduction to strings. Designed to prepare the prospective music instructor to teach violin, viola, cello, and bass in the public schools. Topics include instructional materials,

- teaching techniques, solo and ensemble repertoire, instrument brands, care and minor repair. Credit 1 hour.
- 118 Vocal Methods.** The study of singing techniques such as vocal production, breathing, diction, etc. in an atmosphere of the group dynamic. Introduction to basic techniques of vocal pedagogy. Six to seven students in a class with repertoire requirements commensurate with private study. Credit 1 hour.
- 150 Concert Band.** Credit 1 hour. May be repeated for credit.
- 151 Ensembles.** Various ensembles are available to students as laboratory groups, with or without credit, and open to student participation with consent of the instructor. Credit 0 to 1 hour. May be repeated for credit.
- 152 College Chorus.** Credit 0 to 1 hour. May be repeated for credit.
- 153 Pep Band.** Credit 0 to 1 hour. May be repeated for credit.
- 160 Orchestra.** Credit 0 to 1 hour. May be repeated for credit.
- 211 Music Theory 2.** A continuation of MUS 112 with an emphasis on harmonic vocabulary and chordal relationships along with a continuation of aural applications, keyboard, and music reading skills. An introduction to musical form through the study of binary, ternary, and through-composed forms. Lecture and laboratory. Prerequisite: MUS 112. Credit 3 hours.
- 212 Music Theory 3.** A continuation of MUS 211 involving the broadening of harmonic concepts to include seventh chords and chromatic chords. This course also includes a more intensive study of homophonic and contrapuntal forms. A continuation of aural applications, keyboard, and music reading skills. Lecture and laboratory. Prerequisite: MUS 211. Credit 3 hours.
- 213 Band Instrument Repair.** Designed to give the prospective public school instrumental director and music store employee a basic knowledge about the mechanisms of musical instruments and the performance of minor and emergency repairs. Credit 3 hours.
- 214-414 Musical Theatre Productions.** The Division of Performing Arts offers the opportunity to students to participate in extra musical productions of high quality. Participation in these activities will be by tryout and consent of instructor. Credit 1 to 2 hours.
- 215 Beginning Conducting.** Introductory conducting techniques of the baton: gestures, signs, and cues as used in instrumental and choral organizations. Includes the essentials of score reading, technique, and interpretation. Prerequisite: Consent of instructor. Credit 2 hours.
- 217 Woodwind Methods.** Designed to prepare the prospective music instructor to teach woodwinds in the public school setting. Topics covered include instructional materials, teaching techniques, solo and ensemble repertoire, instrument brands, care and minor repair, as well as the development of sufficient playing skill. Credit 1 hour.
- 219 Brass Methods.** An introduction to brass instruments. Designed to prepare the prospective music instructor to teach trumpet, French horn, baritone, trombone and tuba in the public schools. Topics covered include: basic embouchure, breathing, fingering, instructional materials, teaching techniques, solo and ensemble repertoire, instrument brands, care and minor repair. Credit 1 hour.
- 223 Music in the Elementary School.** A course designed for the elementary classroom teacher. Credit 3 hours.
- 224 Elementary School Music Methods.** A course for the music education major with a survey of techniques and methods for teaching in grades K-6. Credit 3 hours.
- 226-227 Class Piano.** Beginning piano for music majors. Credit 1 hour.
- 230 Private Lessons.** Private vocal, instrumental, and composition study. Credit 1 to 3 hours. May be repeated for credit.
- 233 A Cappella Choir.** Credit 0 to 1 hour. May be repeated for credit.
- 234 Jazz Band.** Credit 0 to 1 hour. May be repeated for credit.
- 311 Music Theory 4.** This course provides an introduction to music since 1900, integrating history, theory and analysis. It begins with the study of 9th, 11th, and 13th chords, continues through the deterioration of tonality under Schoenberg to the developments in the work of today's composers including contemporary tonalities and rhythms, twelve-tone technique and serialism. Lecture and laboratory. Prerequisite: MUS 212. Credit 3 hours.
- 313 \*Music History 1.** A survey of music from the Christian era to the Pre-Classic. A study of accompanying literature, historical and social background, principal figures, both political and musical. Credit 3 hours.
- 314 \*Music History 2.** A survey of music from the Pre-Classic era through the leading trends of today. A study of accompanying literature, historical and social background, principal figures, both political and musical. Credit 3 hours.

- 315 Advanced Conducting.** Advanced conducting techniques of the baton: gestures, signs, and cues as used in instrumental and choral organizations. Includes advanced work in score reading, technique, and interpretation. Credit 2 hours.
- 317 Percussion.** An introduction to the basic rudiments. Methods of presentation and techniques of teaching percussion to students. Credit 1 hour.
- 321 Orchestration.** The study of instrumentation, emphasizing scoring for various instrumental and choral combinations, with an approach to the specific problems of orchestra, band, and choir. Credit 2 hours.
- 325 Marching Band Methods.** The organization and charting techniques necessary for the operation of the secondary school marching band. Credit 2 hours.
- 328 Vocal Diction.** A study of particular speech problems as they relate to the pronunciation of French, German, Italian, and the English languages. A review of problems as they apply to the singing of choral literature as well as to the solo song. Prerequisite: Consent of the instructor. Credit 2 hours.
- 428 Advanced Methods and Pedagogy.** Methods and materials for teaching in the several applied areas. Vocal majors taking this course will study with vocal teachers. Instrumental students will study with instrumental teachers. Course designed to help prepare a graduating student to teach in the several applied areas. Credit 3 hours.
- 438 Teaching and Directing Music in the Secondary School.** The organization and administrative methods used in the operation of vocal and instrumental programs in the secondary school. Satisfies teacher licensure requirement for EDUC 438. Credit 3 hours.
- 458 \*Special Literature Study.** An independent study course in literature for specific fields of applied study. Prerequisite: Consent of instructor. Credit 2 or 3 hours.

## Natural Science

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### Natural Science Courses

Department Code: NSCI

- 170 Elements of Descriptive Astronomy.** An introduction to the solar system, stars, galaxies, Newton's laws, Einstein's theories of relativity, black holes, and the origin, evolution, and structure of the Universe. Includes a brief history of astronomy and an examination of the nature of science and the differences between science and religion. Additional topics at the discretion of the instructor. Credit 3 hours.
- 180 Science, Society, and the Environment.** This course examines human impacts on the environment and the relationship between society, politics, and the environment. There is an emphasis on scientific inquiry and the course includes an outdoor field laboratory component. Potential topics include global climate change, water pollution, and energy-related issues. Credit 3 hours.
- 201 Environmental Issues.** A research-based course that examines the relationship between science and society in which students investigate the ecological, historical, political, and socio-economic aspects of specific environmental topics. Credit 3 hours.
- 230 Drugs: Research & Reward.** This course provides an introduction to how drugs affect our lives and bodies. Topics include a historical perspective on medicine and how drugs are developed, how specific diseases are treated, and the effects of illegal drugs on the individual and society. Credit 3 hours.
- 280 History of Science.** An overview of the emergence of science from the early stirrings in pre-Christian cultures through its flowering in the twentieth century. Time-lines developed. Within this context, major theoretical and experimental contributions within science and technology examined. Attention to the philosophy of science an integral element. Primary source material is used to look at specific examples in each of the following areas of science: biology, chemistry, physics, astronomy, and mathematics. Credit 3 hours.

## Nursing

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The department of nursing exists to facilitate:

1. Baccalaureate education of professional nurses capable of leadership in an ever-changing health care system;
2. Caring through encouraging health promotion for individuals and populations in a diverse society;
3. Evidence-based care for individuals throughout the lifespan;
4. Development of students to think critically, to be personally accountable, and to participate in life-long learning.

Graduate nurses are prepared through integration of knowledge based in the liberal arts and sciences, professional therapeutic nursing concepts, and the exploration of personal and professional values to practice in diverse settings.

Additional information about admission to the nursing program, as well as all policies and procedures, is found in the department's Program Information handbook. Students are expected to adhere to all policies stated in the handbook.

Successful completion of the nursing curriculum qualifies the graduate to sit for the National Council of State Boards of Nursing Licensure Examination.

Students who major in nursing must earn a grade of "C" or better in each course required for the program.

### **B.S.N., Major in Nursing**

#### **Major requirements:**

In Nursing:

- 305 The Profession of Nursing: Caring, History, & Leadership
- 306 Health Promotion: A Caring Paradigm
- 307 Caring Practicum 1
- 308 Holistic Assessment
- 311 Caring With the Community
- 312 Health Promotion of Families
- 316 Caring Practicum 2
- 318 Culture and Caring
- 324 Scholarly Inquiry 1
- 403 Nursing Perspectives on Drug Therapy
- 412 Caring for Individuals in Times of Crisis
- 413 Ethical Caring
- 414 Supportive Care in Chronicity
- 415 Management and Professionalism
- 417 Nursing Care Seminar
- 418 Scholarly Inquiry 2
- 420 Senior Caring Practicum
- 421 Political Advocacy and Policy 1
- 422 Political Advocacy and Policy 2
- 490 Pathophysiologic Applications in Nursing Practice

#### **Cognate requirements:**

In Biology:

- 221 Human Anatomy and Physiology
- 331 Principles of Nutrition
- 390 Pathophysiology

In Chemistry:

- 111 General Chemistry 1 or 101 Introduction to Chemistry

In Economics:

- 101 Principles of Microeconomics or 102 Principles of Macroeconomics

In Mathematics:

- 215 Introduction to Statistics



In Psychology:

- 112 General Psychology
- 218 Developmental Psychology
- 320 Abnormal Psychology

## Nursing Courses

Department Code: NURS

- 305 The Profession of Nursing: Caring, History, and Leadership.** History, trends, and issues of contemporary nursing. Caring theory, relationships, influences, and behaviors will be examined with emphasis on the development of caring for self and others. Leadership skills will be introduced. Classroom and online experience. Credit 2 hours.
- 306 Health Promotion: A Caring Paradigm.** Health promotion and disease prevention from a theoretical, philosophical, and historical perspective. Consideration of clients as individuals with health issues is approached from a positive orientation. Prerequisite: Consent of instructor. Credit 2 hours.
- 307 Caring Practicum 1.** Focus on caring qualities, competence, and confidence while developing technical skills. Students develop professional approaches to implementing nursing care founded in the caring philosophy in acute care facilities. Opportunity for learning through self-guided study, demonstration, visual aids, simulated and actual laboratory experiences. Classroom, laboratory, and practicum experience. Prerequisite: Admission to the nursing program. Course graded S/U. Credit 4 hours.
- 308 Holistic Assessment.** Practice and application of assessment and analysis of data for individuals within the context of life. Classroom and laboratory experience. Prerequisite: Consent of instructor. Credit 3 hours.
- 311 Caring With the Community.** Development of assessment and analysis to identify potentially vulnerable populations and the identification of and application of effective caring and health promotion concepts. Completion of a community assessment and interaction within and among sectors of the community and the health care system. Classroom and practicum experience. Prerequisite: Consent of instructor. Credit 4 hours.
- 312 Health Promotion of Families.** Focus on the well family, specifically exploration of family dynamics and growth and development across the life span with application of effective health promotion and caring behavior during developmental crises. Classroom and practicum experience. Prerequisite: NURS 308. Credit 5 hours.
- 316 Caring Practicum 2.** Novice experience in acute settings. Students demonstrate caring behaviors to meet the needs of individuals and families faced with health problems which require inpatient nursing care. Students continue to focus on caring behaviors of confidence and competence. Classroom, laboratory, and practicum experience. Prerequisite: NURS 307. Course graded S/U. Credit 4 hours.
- 318 Culture and Caring.** Exploration of knowledge and skills needed by nurses to give culturally congruent care to people of diverse cultural groups. Comparison of beliefs, values, and practices related to health, illness, and health care of selected ethnic and cultural groups using theory and research references. Prerequisite: Consent of instructor. Credit 2 hours.
- 324 Scholarly Inquiry 1.** Introduction to nursing inquiry processes and beginning exploration of relationships between inquiry, theory, and practice. Development of a nursing practice issue for study. Prerequisite: Consent of instructor. Credit 1 hour.
- 403 Nursing Perspectives on Drug Therapy.** Provides for the study of general mechanisms of drug action. Drug classifications and their common actions, indications, and side effects are analyzed. The role of the nurse in developing a comprehensive approach to the clinical application of drug therapy will be explored. Prerequisite: Consent of instructor. Credit 2 hours.
- 412 Caring for Individuals in Times of Crisis.** Nursing concepts related to care of individuals and families with acute and critical health care issues across the life span. Application and analysis of nursing interventions to meet the holistic needs of individuals and families experiencing acute and critical health crises. Classroom and practicum experience. Prerequisite: Consent of instructor. Credit 6 hours.
- 413 Ethical Caring.** Students are empowered to apply standards of ethical and legal thought to the practice of nursing and to their personal lives. Personal introspection and self-understanding are emphasized as ethical theory, principles, and rules are explored along with laws regulating the health care system. Prerequisite: Consent of instructor. Credit 2 hours.
- 414 Supportive Care in Chronicity.** Application of nursing concepts and caring behaviors to increase independence, maximize competence and psychological well being, and prevent social isolation in

individuals and families with chronic health issues. Classroom and practicum experience.

Prerequisite: Consent of instructor. Credit 3 hours.

- 415 Management and Professionalism.** Exploration of principles of organizational behavior and resource management, and analysis of management experiences and leadership behaviors in a health-care setting. Classroom and practicum experience. Prerequisite: Consent of instructor. Credit 3 hours.
- 417 Nursing Care Seminar.** Students engage in high-order thought about the care of individuals and groups through review and exploration of concepts, principles, and facts. Prerequisite: Consent of instructor. Credit 2 hours.
- 418 Scholarly Inquiry 2.** Exploration of the impact of inquiry on nursing practice and the role of inquiry processes and practice in theory development. Experience developing and writing a beginning level research proposal and exploration of the use of research results. Prerequisite: NURS 324. Credit 3 hours.
- 420 Senior Caring Practicum.** Opportunity to implement the nursing process and engage in the practice of professional nursing in an acute care environment. Assists in the transition from the student role to graduate nurse. Practicum experience only. Prerequisite: Consent of instructor. Course graded S/U. Credit 3 hours.
- 421 Political Advocacy and Policy 1.** Introduction to health care policy and political implications related to health care costs, quality, and access. Prerequisite: Consent of instructor. Credit 1 hour.
- 422 Political Advocacy and Policy 2.** Active political involvement in relation to an aspect of a specific health care policy. Analysis of the impact of political activities on health outcomes. Prerequisite: Consent of instructor. Credit 1 hour.
- 490 Pathophysiologic Applications in Nursing Practice.** Pathophysiologic concepts are explored using a body systems approach. Theories relating etiology, pathogenesis, clinical manifestations, and pharmacology are used to study common disease processes as they relate to nursing practice. Concepts from anatomy and physiology and pathophysiology provide a foundation for exploring human dysfunction. Classroom and online experience. Prerequisite: BIOL 390. Credit 2 hours.

## Philosophy (B.Phil)

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The bachelor of philosophy degree is based on an individually-designed program of study that satisfactorily demonstrates a student's specific goals. The student develops the program of study in consultation with his or her advisor and the academic dean, and must submit it to the Academic Affairs Committee for approval. The program proposal must include an explanation of what courses are included and why a B.Phil degree is needed. Students must have a grade point average of 3.0 or higher, receive approval from the Academic Affairs Committee prior to the first semester of the academic year in which the student intends to graduate, and earn 31 or more credits after the proposal is approved.

## Philosophy and Religious Studies

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The major in philosophy and religious studies provides students with preparation for graduate study, for professional study, or for a wide range of occupations. Students concerned with values and with major meanings and directions in life are welcome to consider courses in philosophy and religious studies as important electives or as an attractive second major.

### **B.A., Major in Philosophy and Religious Studies**

#### **Major requirements:**

In Philosophy:

- 219 History of Philosophy 1
- 220 History of Philosophy 2
- 227 Logic

In Religion:

- 130 Introduction to the Church
- 215 Understanding the Old Testament
- 216 Understanding the New Testament

220 Introduction to Christian Theology  
 Twelve hours of foreign language studies  
 Twelve additional hours in philosophy or religious studies

### Minor in Music in Worship

#### Minor requirements:

In Religion:

- 201 Judeo-Christian Tradition
- 220 Introduction to Christian Theology
- 307 Worship Planning
- 359 Practicum in Music Worship

#### Cognate requirements:

In Music:

- 115 Beginning Guitar
- 215 Beginning Conducting
- 226 Class Piano or 227 Class Piano

Two hours of private music lessons  
 Two hours of ensemble participation

### Minor in Philosophy and Religious Studies

#### Minor requirements:

This is an 18-hour program consisting of any three of the courses listed under the major requirements plus elective courses in philosophy or religion to be selected in consultation with the department.

### Minor in Youth Ministries

#### Minor requirements:

In Religion:

- 124 Introduction to Youth Ministry
- 130 Introduction to the Church
- 215 Understanding the Old Testament
- 216 Understanding the New Testament
- 220 Introduction to Christian Theology
- 224 Adolescent Spirituality
- 324 Teaching Methods in Youth Ministry
- 424 Applications in Youth Ministry

## Philosophy Courses

Department Code: PHIL

- 101 Introduction to Philosophy.** An introduction to the issues and methods of philosophy. Topics to be covered may include the nature of morality, arguments concerning the existence of God, free will and determinism, and knowledge and the challenge of skepticism. Credit 3 hours.
- 219 History of Philosophy 1.** A survey of basic concepts and arguments of the major western philosophical systems, from the Pre-Socratics, Plato, and Aristotle, through the Schoolmen of the late Middle Ages. Attention will be given to the historical and cultural contexts. Credit 3 hours.
- 220 History of Philosophy 2.** A survey of basic concepts and arguments of the major western philosophical systems from the early modern period to the present, including the Renaissance, Cartesian rationalism, empiricism, the Enlightenment, romanticism, existentialism, and pragmatism. Attention will be given to the historical context of each system of thought. Credit 3 hours.
- 227 Logic.** Methods of language analysis and deductive inference. Credit 3 hours.
- 320 Philosophy of Religion.** An inquiry into the general subject of religion from the philosophical point of view. Among the specific questions considered are: the nature, function and value of religion; the validity of the claims of religious knowledge; the nature of evil; and the existence and character of deity. Credit 3 hours.
- 331 Political Philosophy.** This course deals with the essence, origin, and value of the state. The justification of governmental authority, the social sources of power, and the competing conceptions of human nature are among the issues considered. Students will be exposed to several classical sources, including Machiavelli, Locke, Hobbes, and Rousseau. Credit 3 hours.
- 437 Professional and Business Ethics.** An approach to the ethical challenges of a modern business society. The course will utilize case studies and the expertise of professionals working in the various

area of business as well as the moral reasoning of ethicists. Course procedures include oral and written communications, group interaction in class, group project, and a major presentation. Cross-listed with Business. Credit 3 hours.

## Religion Courses

Department Code: REL

- 124 Introduction to Youth Ministry.** An exploratory course that introduces students to the necessary concepts and skills related to youth ministry. The course includes observation in local church and/or para-church youth ministry settings. Credit 3 hours.
- 130 Introduction to the Church.** An introduction to the history of Christianity from the New Testament period to the present. A balance is struck between doctrinal and institutional aspects of the church. Attention will be given to broader contexts so that students get a sense of Christianity's relationship to culture, particularly in the West. Credit 3 hours.
- 142 DISCIPLE Bible Study.** A survey of the Old Testament with individual and group exercises in Christian formation. Students must be members of the Discipleship Southwestern team to enroll in this class. Credit 1 hour.
- 143 DISCIPLE Bible Study.** A survey of the New Testament with individual and group exercises in Christian formation. Students must be members of the Discipleship Southwestern team to enroll in this class. Credit 1 hour.
- 201 Judeo-Christian Tradition.** A study of the biblical faith of Jews and Christians in its cultural and historical context, as well as in its impact on contemporary society. Credit 3 hours.
- 215 Understanding the Old Testament.** A study of the Hebrew scriptures seeking to understand them in their original context and thus their significance for today. Credit 3 hours.
- 216 Understanding the New Testament.** The origin and development of the Christian religion as expressed in the New Testament. We will seek to understand the Christian scriptures in their original context and thus their significance for today. Credit 3 hours.
- 220 Introduction to Christian Theology.** An investigation of the unity and diversity of religions in light of the relevance of religion in general and Christianity in particular to human needs and problems. Prerequisite: REL 130. Credit 3 hours.
- 221 Hebrew 1.** This course comprises the first half of a two semester study regimen and has been designed to provide an introduction to Biblical Hebrew. The range of topics will extend from learning the alphabet to beginning to master the first few paradigms of the verbal system. Credit 3 hours.
- 222 Greek 1** This course comprises the first half of a two semester study regimen designed to provide an introduction to Biblical (Koine) Greek. Tasks will include learning the alphabet, several grammatical paradigms and vocabulary. Credit 3 hours.
- 223 Latin 1** This course comprises the first half of a two semester study regimen and has been designed to provide an introduction to Classical Latin. The range of topics will extend from learning introductory grammar to reading and translating paragraphs. Credit 3 hours.
- 224 Adolescent Spirituality.** A course exploring age-relevant existential questions concerning belief in God, religious experience, and young people's relationships to the church and to each other. It includes an introduction to spiritual disciplines associated with the Christian faith. Credit 3 hours.
- 225 Comparative Religions.** An introduction to the major world religions (Hinduism, Buddhism, Confucianism, Taoism, Islam, Baha'i, Judaism, Christianity), their major teachings and practices, and their demographic make-up in the contemporary world. Credit 3 hours.
- 242-243-343-442-443 Discipleship.** This course is a reading and spiritual formation activity through covenant groups related to the Discipleship program. Enrolled students must be members of the Discipleship Southwestern team. Credit 1 hour.
- 307 Worship Planning.** An investigation of the many facets of worship, with a special emphasis on the role of integration in the worship planning process. Credit 3 hours.
- 321 Hebrew 2.** A continuation of REL 221, focus will center on vocabulary development, grammar and reading pointed (Masoretic) Biblical Hebrew. Prerequisite: REL 221 or consent of instructor. Credit 3 hours.
- 322 Greek 2.** A continuation of REL 222, focus will fall on building vocabulary, grammar, and the translation of New Testament texts. Prerequisite: REL 222 or consent of instructor. Credit 3 hours.
- 323 Latin 2.** A continuation of REL 223, this course has been designed to provide opportunities for additional vocabulary building as well as further work with grammar and translation. Prerequisite: REL 223 or consent of instructor. Credit 3 hours.
- 324 Teaching Methods in Youth Ministry.** This course builds on prior learning in youth ministry courses by combining that learning with educational theory, to develop a knowledge base and skill

in teaching in youth ministry settings. It includes teaching in groups and one-to-one. Credit 3 hours.

- 335 History of American Christianity.** A survey of American Christianity set in the larger context of world history. It invites students to explore the role Christianity has played in North America in shaping (as well as being shaped by) cultural characteristics of the United States. Cross-listed with History. Credit 3 hours.
- 337 History of Methodism.** An introduction to the general characteristics of Methodism, focusing on the United Methodist Church in the United States. Beginning with John Wesley, it moves to the history of American Methodism, considers doctrinal controversies and changes, surveys denominational structures and touches upon contemporary issues. The course provides an overall introduction to the history, doctrine, and polity courses required for seminary students planning to enter United Methodist ministry, but is accessible to all students interested in gaining familiarity with this denomination. Cross-listed with History. Credit 3 hours.
- 340 Hermeneutics.** An introduction to the basic principles involved in interpreting and understanding texts. The course will look at such questions as the relationship between author, the text, the reader(s), and the community in which these materials come together. Prerequisites: PHIL 219 and 220. Credit 3 hours.
- 359 Practicum in Music Worship.** Students gain experience in planning and leading worship. Prerequisite: Submission of required paperwork to the registrar's office. Credit 1 to 5 hours.
- 424 Applications in Youth Ministry.** Comprehensive youth ministry foundational to local church work. Emphasis on equipping students to practice youth ministry in the local church by exploring a variety of theories, techniques, and resources. Credit 3 hours.

## Physical Education and Sport Studies

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The physical education and sport studies department (PESS) is a learning community dedicated to:

1. Emphasizing a broadly-based, value centered liberal arts curriculum as the core of intellectual life, professional development and personal growth.
2. Challenging each person to become a physically, mentally, socially, and emotionally fit individual through physical and intellectual learning and activity.
3. Encouraging lifetime fitness and health in pursuit of a productive life through the development of healthful skills and attitudes.

The PESS department's objectives are to:

1. Provide quality undergraduate preparation for students planning professional careers in physical education, coaching, and recreation, and for those planning to pursue graduate study.
2. Provide instruction and opportunities for activity for all Southwestern students through elective activity courses.
3. Provide recreational opportunities and facilities for the entire Southwestern community.

### **B.S., Major in Health and Physical Education**

*Important note:* While this major addresses both health and physical education, it leads to Kansas secondary teacher licensure only in physical education.

#### **Major requirements:**

Swimming proficiency

In Physical Education and Sports Studies:

- 114 Activity Fundamentals 1
- 118 Activity Fundamentals 2
- 126 First Aid and Safety
- 213 Principles of Physical Education
- 215 Applied Motor Learning
- 225 Fitness Assessment
- 230 Introduction to Athletic Training
- 314 Measurement and Evaluation in Physical Education
- 320 Critical Issues in Health

- 323 Exercise Physiology
- 325 Teaching Physical Education in the Elementary School
- 326 Adapted Physical Education
- 332 Kinesiology
- 335 Psychology of Sport
- 435 Organization and Administration of Physical Education
- 438 Teaching Health and Physical Education in the Secondary School

**Cognate requirements:**

In Biology:

- 221 Human Anatomy and Physiology

All requirements for teacher licensure as listed in the Education section of this catalog.

**B.S., Major in Sport Management**

**Major requirements:**

In Physical Education and Sports Studies:

- 220 Introduction to Sport Management
- 335 Sport Psychology
- 344 Sport Marketing
- 421 Sport Management Capstone

**Cognate requirements:**

In Accounting:

- 281 Financial Accounting
- 283 Managerial Accounting

In Business:

- 210 Business Communications
- 322 Management
- 328 Organizational Behavior
- 393 Legal/Ethical Environment of Business
- 437 Business and Professional Ethics

In Communication:

- 294 Public Relations

In Economics:

- 101 Principles of Microeconomics
- 102 Principles of Macroeconomics

**B.S., Major in Athletic Training**

A certified athletic trainer (ATC) is a highly educated and trained professional who specializes in the prevention, recognition, management, and rehabilitation of athletic injuries. An ATC works closely with physicians and other health care professionals in the total health care of the athlete. Certified athletic trainers are employed in secondary schools, colleges and universities, professional sports, sports medicine clinics, industrial settings and several other health care environments.

Southwestern College has received formal accreditation by the Commission on Accreditation of Athletic Training Education (CAATE). The undergraduate athletic training education curriculum prepares students to take the Board of Certification (BOC) exam.

The curriculum is structured as a three-year program with an additional application year for freshmen. Students will be involved in the clinical setting during their sophomore (level one), junior (level two), and senior (level three) years while completing academic course requirements. This allows students to learn the skills and techniques necessary in the care, prevention, recognition, and rehabilitation of athletic injuries as well as the organization and administration of an athletic training facility and program.

Student clinical assignments will be in traditional, clinical, and high school settings, observing under an assigned clinical instructor. Students will gain experience with collision, contact, and non-contact sports as well as through a wide variety of clinical settings. Students will observe team physicians as they evaluate and perform surgical procedures on injured athletes.

The athletic training education program is an excellent combination for those students interested in post-graduate studies in other allied health professions, such as physical therapy, physician assistant, and medical school.

For the most updated information refer to the athletic training web site at [www.sckans.edu/athletictraining](http://www.sckans.edu/athletictraining) or contact the director of athletic training education.

### **Criteria for Admission to the Athletic Training Education Program**

Prospective students must meet all the criteria below to be considered for admission. Completion of the application criteria does not guarantee admission to the program. Admission is competitive and is based on a point system assessed to each student's application. Students can obtain the necessary application forms from the director of athletic training education.

1. Completed application with one letter of recommendation.
2. Cumulative GPA of 2.5 on a 4.0 scale with a grade of "C" or better in PESS 230 Introduction to Athletic Training, and BIOL 111 Biology 1.
3. Enrollment in PESS 126 First Aid and Safety (or current CPR for the Professional Rescuer certification).
4. Completion of at least 100 clinical observation hours (documented) under the direct supervision of a certified athletic trainer.
5. Submission of the Athletic Training Education Program physical examination as well as proof of Hepatitis B vaccination (or sign waiver) and TB skin test.
6. Submission of signed Technical Standards form.
7. Successful interview with the curriculum staff and an athletic training student representative.
8. Maintenance of NATA membership and professional liability insurance throughout Level 1, 2, and 3 of the ATEP.

### *Transfer Students*

1. Must meet above mentioned criteria.
2. Must have completed or be in the process of successfully completing the equivalent of PESS 230, BIOL 111, and PESS 126 and submit course descriptions of each of these courses along with a copy of transcript to the director of athletic training education for review.

Admitted students must immediately declare as an athletic training major. Students who are not admitted may elect to apply again the following year or may declare another major. Admission to the program is very competitive and the number admitted is based on graduation and attrition rates.

### **Major requirements:**

In Physical Education and Sports Studies:

- 126 First Aid and Safety
- 230 Introduction to Athletic Training
- 232 Practical Applications in Athletic Training
- 234 Athletic Training Clinical Experience 1
- 235 Athletic Training Clinical Experience 2
- 236 Care and Prevention of Athletic Injuries
- 320 Critical Issues in Health
- 323 Exercise Physiology
- 332 Kinesiology
- 335 Psychology of Sport
- 337 Athletic Training Clinical Experience 3
- 338 Athletic Injury Assessment 1
- 339 Athletic Injury Assessment 2
- 340 Athletic Training Clinical Experience 4
- 347 Therapeutic Exercise
- 440 Therapeutic Modalities
- 442 Pharmacology in Athletic Training
- 443 Organization and Administration of Athletic Training

- 444 Athletic Training Clinical Experience 5
- 445 Athletic Training Clinical Experience 6
- 459 Practicum in Athletic Training
- 462 Seminar in Athletic Training

**Cognate requirements:**

In Biology:

- 111 Biology 1
- 221 Human Anatomy and Physiology
- 331 Principles of Nutrition

In Math:

- 215 Introduction to Statistics

In Nursing:

- 308 Holistic Assessment

In Psychology:

- 112 General Psychology
- 218 Developmental Psychology

**Physical Education and Sports Studies Courses**

Department Code: PESS

- 102 **Fundamentals of Bowling.** Credit .5 hour
  - 104 **Fundamentals of Gymnastics.** Credit .5 hour
  - 105 **Fundamentals of Golf.** Credit .5 hour
  - 106 **Fundamentals of Archery.** Credit .5 hour
  - 107 **Fundamentals of Badminton.** Credit .5 hour
  - 108 **Fundamentals of Tennis.** Credit .5 hour
  - 109 **Fundamentals of Volleyball.** Credit .5 hour
  - 110 **Fundamentals of Soccer.** Credit .5 hour
  - 111 **Fundamentals of Basketball.** Credit .5 hour
- All fundamentals courses will cover skills, techniques, strategy, and rules pertaining to the specific sport.
- 114 **Activity Fundamentals 1.** Tennis, archery, volleyball, and badminton fundamentals. Credit 1.5 hours.
  - 118 **Activity Fundamentals 2.** Tumbling/gymnastics, bowling, soccer, and golf fundamentals. Credit 1.5 hours.
  - 119 **Beginning Swimming.** A course for nonswimmers, aiming to equip individuals with basic water skills and knowledge in order to make them reasonably safe while in, on, or about the water. Credit 1 hour.
  - 126 **First Aid and Safety.** Cause, prevention, and first aid care of common emergencies as outlined by American Red Cross. Treatment of athletic injuries. Common precautions in safety in the home, school, highways, and recreational areas. Credit 2 hours.
  - 131 **Dance: Jazz and Tap.** Teaches basic dance movements and terminology, providing a foundation for musical theatre jazz and tap dance. Builds repertoire, providing students with audition and performance techniques. For experienced dancers, it provides extended challenges and lays the foundations for choreography. Includes recital performance. Cross-listed with Theatre. Credit 1 hour. May be repeated for credit.
  - 132 **Dance: Musical Theatre.** Teaches basic dance movements and terminology, providing a foundation for musical theatre dance. Builds repertoire, providing students with audition and performance techniques. For experienced dancers, it provides extended challenges and lays the foundation for choreography. Includes recital performance. Cross-listed with Theatre. Credit 1 hour. May be repeated for credit.
  - 133 **Dance: Ballet.** Teaches basic dance movements and terminology, providing a foundation for all movement and dance. Builds repertoire, providing students with audition and performance techniques. For experienced dancers, it provides extended challenges and lays the foundation for choreography. Includes recital performance. Cross-listed with Theatre. Credit 1 hour. May be repeated for credit.
  - 201 **Intermediate Swimming.** Emphasis on basic strokes, personal safety skills, basic rescue techniques, artificial respiration, and safety information. Credit 1 hour.
  - 202 **Lifesaving.** Lifesaving and artificial respiration, cardiopulmonary resuscitation, and first aid techniques. Preparation for Red Cross certification test in Life Saving and Water Safety. Prerequisite: PESS 126. Credit 1 hour.



- 205 Critical Issues in Health.** Analysis of critical health issues, emphasizing personal responsibility for wellness. A holistic approach to mind and body interactions is utilized to facilitate awareness of the impact of health and physical activity on individual and social wellness. Credit 3 hours.
- 210 Advanced Swimming.** An evaluation of each student's basic swimming techniques through the profession of advanced swimming strokes, water safety, and conditioning. Credit 1 hour.
- 213 Principles of Physical Education.** Basic concepts and theories of physical education. Credit 3 hours.
- 215 Applied Motor Learning.** A study of theories and practices dealing with learning as related to motor skill acquisition. Emphasis will be psychomotor and perceptual motor learning. Credit 3 hours.
- 220 Introduction to Sport Management.** This course is designed to provide an overview of the structure of the sports industry and to highlight the scope and variety of career opportunities in the area. The value of professional management to sports organization will also be emphasized. Attention will be given to the issues facing sport organizations and to the use of management techniques to solve business-related problems. The development of effective communication skills, both written and oral, will be emphasized through class presentations and written assignments. Cross-listed with Business. Credit 3 hours.
- 225 Fitness Assessment.** This course will give the student the experience of administering assessment tests, evaluating results of these tests, and from these tests prescribing health fitness programs. Credit 1 hour.
- 230 Introduction to Athletic Training.** An introduction to the history and structure of the athletic training profession as well as the responsibilities and functions of a certified athletic trainer. Credit 2 hours.
- 232 Practical Applications in Athletic Training.** Application of common wrapping, taping, bracing, and bandaging techniques in athletic training. Lecture and laboratory. Credit 2 hours.
- 234-235-337-340-444-445 Athletic Training Clinical Experience.** These courses provide competency based supervised practical experience in athletic training required for certification by the BOC. Courses graded S/U. Credit 1 hour.
- 236 Care and Prevention of Athletic Injuries.** The study of the care and prevention of common athletic injuries and illnesses. Lecture and laboratory. Credit 3 hours.
- 302 Water Safety Instruction.** Advanced aquatic course training and preparing students to teach swimming, lifesaving, and other water safety courses. Preparation for Red Cross certification test. Prerequisite: Current Senior Red Cross Lifesaving certificate. Credit 1 hour.
- 314 Measurement and Evaluation in Physical Education.** A study of capacity, achievements, knowledge, and skill tests and their application to classification and measurement of progress. Credit 3 hours.
- 323 Exercise Physiology.** An introduction to the physiology of the skeletal, muscular, respiratory, nervous, and circulatory systems, with special reference to their adjustments during exercise. A study is made of age, sex, environment, and training in relation to exercise. Credit 4 hours.
- 325 Teaching Physical Education in the Elementary School.** Designed for physical educators to enhance their understanding of contemporary elementary physical education. This course is directed to provide them with stimulus material for the implementation of movement activities and approaches to enhance the total development of the elementary school-aged child. Credit 3 hours.
- 326 Adapted Physical Education.** The need for an adapted program for the physically handicapped or atypical student; its organization and administration; types of conditions to be found and their symptoms and characteristics; developing a program to meet the needs of the students; resources and references. Credit 3 hours.
- 332 Kinesiology.** The mechanical and anatomical analysis of selected activities and their effect on the body; and the physiological adaptation of the body to meet the resultant demands. Prerequisite: BIOL 221. Credit 3 hours.
- 335 Psychology of Sport.** A study of the psychology of motivation, attitudes, values, social mobility, and status as it relates to athletics. Cross-listed with Psychology. Credit 3 hours.
- 338 Athletic Injury Assessment 1.** Injury assessment of the head and lower extremities as well as gait analysis. Lecture and laboratory. Credit 3 hours.
- 339 Athletic Injury Assessment 2.** Injury assessment of the spine and upper extremities as well as posture analysis. Lecture and laboratory. Credit 3 hours.
- 341 Game Rules and Officiating.** Study of rules and officiating mechanics for football and basketball. Less detailed study will be given to baseball, track and field, soccer, volleyball, and individual sports. Credit 3 hours.

- 344 Sport Marketing.** Course is designed to develop an understanding and appreciation of the unique aspects of marketing as related to sport. Cross-listed with Business. Credit 3 hours.
- 347 Therapeutic Exercise.** Development and implementation of specific rehabilitation protocols for various athletic injuries. Lecture and laboratory. Credit 3 hours.
- 415 Theory of Coaching Football.** Study of fundamentals, individual and team offense and defense, formations, plays and field generalship. Credit 2 hours.
- 416 Theory of Coaching Volleyball.** An analysis of the coaching techniques and strategies of volleyball. Credit 2 hours.
- 417 Theory of Coaching Basketball.** Study of the different systems of basketball, individual and team offense and defense. Credit 2 hours.
- 418 Theory of Coaching Track.** Form, training, and selection of students for each track and field event. Also includes procedures and organization of track meets. Credit 2 hours.
- 419 Theory of Coaching Baseball/Softball.** An analysis of defensive baseball including strategic fielding and pitching. A study of hitting techniques and base running including the coaching techniques of each. Credit 2 hours.
- 421 Sport Management Capstone.** This course is designed as the culminating experience in the Sport Management program and may include individual research or an approved internship. Credit 3 hours.
- 435 Organization and Administration of Physical Education.** Analysis of the underlying principles of physical education and their application to the organization of a physical education program. The principles of teaching physical education with lesson plan formulation plus actual experience in an activity class. Credit 3 hours.
- 438 Teaching Health and Physical Education in the Secondary School.** This course covers curriculum design, class organization and management, teaching techniques, and current issues and trends in health and physical education. Satisfies teacher licensure requirement for Education 438. Credit 3 hours.
- 440 Therapeutic Modalities.** Scientific principles and applications of various therapeutic modalities in the treatment of athletic injuries. Lecture and laboratory. Credit 3 hours.
- 442 Pharmacology in Athletic Training.** Introduction to common prescription and non-prescription medications used in treating various athletic injuries and conditions. Lecture and laboratory. Credit 2 hours.
- 443 Organization and Administration of Athletic Training.** Organization and administrative procedures of an athletic training facility and program. Lecture and laboratory. Credit 3 hours.
- 459 Practicum in Athletic Training.** Off-campus practicum at an affiliated clinical experience site. Prerequisite: Submission of required paperwork to the registrar's office. Course graded S/U. Credit 1 hour.
- 462 Seminar in Athletic Training.** Emphasis placed on preparation for taking the BOC examination and professional development. Capstone course for the athletic training major. Credit 2 hours.

## Physics

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Physics, the fundamental natural science, provides explanations for a large number of physical phenomena through the use of a small number of general concepts, principles, and theories. The study of physics contributes to an understanding of the physical world and develops the ability to reason analytically. The physics department at Southwestern College provides undergraduate instruction in a broad range of physics courses designed to fulfill the needs and interests of a variety of students. Students who take advantage of all of the physics course offerings are introduced to the core subfields of physics. Physics program graduates have the knowledge and skills needed to pursue careers in physics, engineering, physics education, and related fields.

Physics courses at Southwestern are set in a liberal arts context. As a result, the historical, philosophical, and cultural implications of physics are considered in the program, and physics majors are required to express the concepts of physics in writing and in oral presentations.

### Dual Degree Program

Southwestern College offers dual-degree programs in engineering in cooperation with both Washington University in St. Louis and the University of Texas-El Paso. Students who

complete the dual-degree program receive an undergraduate degree in engineering physics from Southwestern College and an undergraduate degree or graduate degree in engineering from either of these two institutions. Participants attend Southwestern College for three years and then transfer to either institution for an additional two years (three years for a master's degree) of concentrated engineering study. At Washington University, students may pursue a degree in biomedical engineering, chemical engineering, civil engineering, computer engineering, computer science, electrical engineering, mechanical engineering, or system science and engineering. At the University of Texas-El Paso, students may pursue an undergraduate or graduate degree in electrical engineering. Dual-degree graduates, who combine technical excellence with strong communication skills and a broad background in the humanities and social sciences, have proven to be highly successful in obtaining positions in industry, government, and graduate schools.

Students interested in the dual-degree program should contact the physics department for additional information.

### **B.A., Major in Physics**

**Major requirements:**

- 211 General Physics 1
- 212 General Physics 2
- 213 General Physics 3
- 310 Mathematical Physics
- 320 Modern Physics

Two of the following laboratory courses:

- 380 Optics
- 440 Classical Mechanics
- 470 Electricity and Magnetism

One of the following:

- 410 Thermal and Statistical Physics
- 480 Quantum Mechanics

**Cognate requirements:**

In Mathematics:

- 222 Calculus 1
- 223 Calculus 2
- 224 Calculus 3
- 321 Ordinary Differential Equations

### **B.A., Major in Engineering Physics**

**Major requirements:**

- 211 General Physics 1
- 212 General Physics 2
- 213 General Physics 3
- 310 Mathematical Physics
- 320 Modern Physics

One of the following laboratory courses:

- 380 Optics
- 470 Electricity and Magnetism

**Cognate requirements:**

In Mathematics:

- 222 Calculus 1
- 223 Calculus 2
- 224 Calculus 3
- 321 Ordinary Differential Equations

In Chemistry:

- 111 General Chemistry 1
- 112 General Chemistry 2

In Computer Science and Digital Arts:

- 112 Programming 1

In Engineering:

Completion of a two-year engineering program at Washington University or the University of Texas - El Paso

### Minor in Physics

#### Minor requirements:

In Physics:

- 211 General Physics 1
- 212 General Physics 2
- 213 General Physics 3
- 320 Modern Physics

#### Cognate requirements:

In Mathematics:

- 222 Calculus 1
- 223 Calculus 2
- 224 Calculus 3
- 321 Ordinary Differential Equations

### Secondary Licensure in Physics

#### Requirements:

In addition to the requirements for the physics major, the student must satisfy all the requirements for Kansas teacher licensure as listed in the education section of this catalog and complete the following courses:

In Natural Science:

- 280 History of Science

In Chemistry:

- 111 General Chemistry 1
- 112 General Chemistry 2

### Physics Courses

#### Department Code: PHYS

- 201 College Physics 1.** Algebra-based treatment of the laws of motion, energy, momentum, rotational motion, gravitation, mechanical waves, wave interference, and sound. Lecture and laboratory. Prerequisites: MATH 110 and 112, or consent of instructor. Credit 4 hours.
- 202 College Physics 2.** Algebra-based treatment of electricity, direct current circuits, magnetism, geometric optics, and interference. Lecture and laboratory. Prerequisite: PHYS 201. Credit 4 hours.
- 211 General Physics 1.** Calculus-based treatment of the laws of motion, energy, momentum, rotational motion, gravitation, mechanical waves, wave interference, and sound. Lecture and laboratory. Prerequisite: MATH 112 and 222, or consent of instructor. Credit 5 hours.
- 212 General Physics 2.** Calculus-based treatment of electricity, Gauss's Law, direct current circuits, magnetism, geometric optics and interference. Lecture and laboratory. Prerequisite: PHYS 211. Credit 5 hours.
- 213 General Physics 3.** Calculus-based treatment of statics, periodic motion, fluid mechanics, temperature and heat, thermal properties of matter, inductance, and alternating current. Prerequisite: PHYS 212. Credit 3 hours.
- 310 Mathematical Physics.** Complex numbers, determinants, matrices, eigenvectors and eigenvalues, vector calculus, Lagrange multipliers, Fourier series, Fourier and Laplace transforms, and probability. Prerequisites: PHYS 212, MATH 224 and 321. Credit 3 hours.
- 320 Modern Physics.** Foundations of modern physics including the special theory of relativity, quantum physics, wave mechanics, and the hydrogen atom. Lecture and laboratory. Prerequisites: PHYS 212, MATH 224 and 321. Credit 5 hours.
- 380 Optics.** Geometric and physical optics-lenses, mirrors, lens aberrations, optical instruments, interference, and diffraction. Lecture and laboratory. Prerequisites: PHYS 310 and 320. Credit 4 hours.
- 410 Thermal and Statistical Physics.** Classical thermodynamics, kinetic theory, and classical and quantum statistical mechanics. Prerequisites: PHYS 310 and 320. Credit 3 hours.
- 440 Classical Mechanics.** Newton's Laws, rectilinear motion, oscillations, general motion in three dimensions, noninertial reference systems, central force motion, and the dynamics of a system of

particles. Lecture and laboratory. Prerequisite: PHYS 310 (or concurrent enrollment). Credit 4 hours.

**470 Electricity and Magnetism.** Electrostatics, electrostatic fields in matter, magnetostatics, magnetostatic fields in matter, and electrodynamics. Lecture and laboratory. Prerequisites: PHYS 310, 320. Credit 4 hours.

**480 Quantum Mechanics.** The Schrodinger equation, wave packet motion, operator methods, bracket notation, the harmonic oscillator, angular momentum, and spin. Prerequisites: PHYS 310 and 320. Credit 3 hours.

## Political Science

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As a discipline, political science is concerned not only with the study of government but also with the nature of power, authority, law, order, and community-building; normative issues of social justice; political behavior; and the dynamics of public policy decision-making at local, national, and international levels. Beyond making students more sophisticated observers of politics, of more practical concern to students are the basic skills and specialized training relevant to career preparation that political science can provide. The political science curriculum provides students with opportunities to develop specific skills of value to a wide variety of prospective employers, including data analysis, communication, decision-making, and research competencies. The political science department offers a minor in political science for students with a special interest in law, government, and politics, but who are majoring in another discipline. This minor, with an emphasis in either American or international studies, is an excellent complement to almost any major at Southwestern College, including business, communication, English, history, and psychology.

### Minor in Political Science

A total of 18 credits is required for this minor.

#### Minor requirements:

In Political Science:

- 101 Introduction to Political Science
- 325 Research Methods

Twelve hours, with at least one 300-level class, selected from one of the emphasis areas below:

### Emphasis in American Studies

#### Requirements:

In Political Science:

- 205 Public Policy
- 213 American Politics
- 306 Law and the Legal System
- 315 American Public Opinion
- 459 Practicum in Political Science

### Emphasis in International Studies

#### Requirements:

In Political Science:

- 222 International Relations
- 241 Comparative Politics
- 336 Comparative Political Systems
- 338 Contemporary International Problems
- 459 Practicum in Political Science

A maximum of one Topics in Political Science course (e.g., POLS 255) may also be used toward the 12 hours in an emphasis area.

## Political Science Courses

### Department Code: POLS

- 101 Introduction to Political Science.** An introduction to the theories and practices used in the discipline of political science. This class will map Political Science in various ways to show students where their interests might fit those of the discipline. Credit 3 hours.
- 205 Public Policy.** An examination of the nature of public policy and public administration in America as well as the processes of policy formation and administration. The different approaches to evaluating and improving public policies will be fully discussed. Credit 3 hours.
- 213 American Politics.** A consideration of the national government in terms of the central ideological basis, its institutional framework, and political actors and processes. This course is an introduction to the study of American politics in the contemporary era and focuses on the process of policymaking in a sociologically diverse, culturally divided, and institutionally fragmented political system. Credit 3 hours.
- 222 International Relations.** A study of international politics, its elements, and general nature with emphasis on the struggle for power among nations. This course introduces and compares basic theories of international politics and applies them to current events. Credit 3 hours.
- 241 Comparative Politics.** An introduction to political and governmental systems, focusing primarily on the varieties of democracy. The concept of the nation-state, including political culture and history, and interest articulation. Comparison of both structure and function of government through case studies of a wide array of nations. Credit 3 hours.
- 306 Law and the Legal System.** An introduction to the law with a primary emphasis on U.S. law and the legal system. Topics include U.S. legal history; law and society; court organization and procedure; lawyers and the legal profession; judicial powers and constraints; constitutional, statutory and common law; criminal and civil law; administrative law; and contemporary legal issues. Credit 3 hours.
- 315 American Public Opinion.** An examination of the formation and expression of mass political sentiment within the American political system and the impact of public opinion on policy making. The underlying social, economic, and cultural determinants of voting behavior, and how these have changed over time. Prerequisite: POLS 213. Credit 3 hours.
- 325 Research Methods.** An introduction to the theory and methodology of political science research with a special emphasis on experimental design, data collection, statistical analysis, and report writing. Prerequisite: POLS 101. Credit 3 hours.
- 336 Comparative Political Systems.** A study of politics and government in selected states, including an in-depth examination of the major political forces, traditions, institutions, and ideological bases of societies. Prerequisite: POLS 241. Credit 3 hours.
- 336A Comparative Political Systems – European States**
- 336B Comparative Political Systems – Asian States**
- 336C Comparative Political Systems – African States**
- 336D Comparative Political Systems – Middle-Eastern States**
- 336E Comparative Political Systems – Latin American States**
- 336F Comparative Political Systems – Western Democracies**
- 338 Contemporary International Problems.** A survey of the major issues and debates in the study of world politics, such as the study of war and peace, Cold War history, the prospects for stemming environmental degradation, and the causes and consequences of international economic competition. Prerequisite: POLS 222. Credit 3 hours.
- 459 Practicum in Political Science.** Field work with academic supervision. Participation in the work of government offices, political campaigns, interest groups, not-for-profit organizations, etc. Prerequisites: Consent of instructor and submission of required paperwork to the registrar's office. Credit 1 to 5 hours.

## Psychology

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The major in psychology prepares students to evaluate psychological theories and research and to examine ethical issues as well as the biological, social, and cognitive factors that affect the human condition. Majors have the opportunity to learn counseling techniques, develop problem-solving skills, achieve self-awareness, and design research through coursework and individual practica and projects. Students in psychology will learn about career opportunities in psychology and clarify vocational goals as they prepare for graduate study in psychology or other people-oriented careers.

Students who major in psychology must earn a grade of “C” or better in each course required for the program.

### **B.A., Major in Psychology**

#### **Major requirements:**

In Psychology:

- 112 General Psychology
- 218 Developmental Psychology
- 219 Social Psychology
- 242 Personality
- 319 History and Systems of Psychology
- 320 Abnormal Psychology
- 325 Research Methods
- 330 Biological Foundations of Psychology
- 333 Cognition

Two courses selected from the following:

- 301 Human Sexuality
- 321 Introduction to Clinical, Counseling, and Community Psychology
- 322 Educational Psychology
- 328 Organizational Behavior
- 335 Psychology of Sport
- 416 Psychological Assessment
- 421 Emotion
- 422 Learning
- 430 Biological Psychology

Six hours selected from the following:

- 454 Research Project
- 455 Topics course(s)
- 459 Practicum
- 460 Internship

#### **Cognate requirements:**

In Mathematics:

- 215 Introduction to Statistics

### **Minor in Psychology**

#### **Minor requirements:**

In Psychology:

- 112 General Psychology
- One 200-level course
- Two 300-level courses (not including 322)
- Two 400-level (not including 459 or 460)

### **Psychology Courses**

**Department Code: PSYC**

**112 General Psychology.** An introduction to the scientific study of behavior and mental processes. Special attention is placed on the scientific method in the exploration of consciousness, learning,

- motivation, emotion, development, personality, mental disorders, biological factors, social-psychological phenomena, and cognitive processes. Lecture and laboratory. Credit 4 hours.
- 218 Developmental Psychology.** The development of behavior from infancy through adulthood. Emphasis is placed on learning and environmental factors in the socialization of children and adolescents. Prerequisite: PSYC 112. Cross-listed with Education. Credit 3 hours.
- 219 Social Psychology.** Social factors in behavior of individuals and groups, including attitudes, leadership, and personality and culture. Prerequisite: PSYC 112. Credit 3 hours.
- 242 Personality.** Contemporary approaches to the psychological study of personality. Prerequisite: PSYC 112. Credit 3 hours.
- 254-354-454 Research Project.** The Research Project is a two-semester course designed to give students an opportunity to design, execute, and present scientific research in psychology. Students are admitted to the course as either Primary Investigators who are in charge of the research projects or as Research Assistants who assist the Primary Investigators with various process tasks. Prerequisites: Permission of the Psychology Program Director and submission of required paperwork to the registrar's office. Credit 1 to 4 hours.
- 259-359-459 Practicum in Psychology.** A practicum can be designed to explore an area of the student's interest such as (but not limited to) assisting on research projects or working with an agency in the community. Prerequisites: Submission of required paperwork to the registrar's office. Credit 1 to 5 hours.
- 301 Human Sexuality.** Course covers the biological aspects of human sexuality, love, aberrant sexual behavior, abortion, contraception, parenthood, sexual orientation, and numerous other sexually related subjects. Credit 3 hours.
- 319 History and Systems of Psychology.** A study of historic schools of thought and contemporary trends and systems. Prerequisites: Two Psychology courses and sophomore standing. Credit 3 hours.
- 320 Abnormal Psychology.** An introduction to personality disorders. Emphasis on theories of pathology and treatment. Prerequisite: PSYC 112. Credit 3 hours.
- 321 Introduction to Clinical, Counseling, and Community Psychology.** A study of major theoretical formulations and practical applications in the history of clinical, counseling, and community psychology, from classical psychoanalysis to contemporary modes of treatment. Emphasis is placed on what clinical and counseling psychologists do, including methods of appraisal, professional roles, and psychotherapeutic approaches to treatment. Prerequisites: Two Psychology courses and junior standing. Credit 3 hours.
- 322 Educational Psychology.** A course designed specifically to study the behavior of individuals and groups in educational settings. Emphases are placed upon development, motivation, assessment, individual differences, teaching modalities and learning preferences. Attention is also given to character education and attitudes. Directed observation and participation in the public schools provide practical application of course theory. Twenty hours of observation/participation in a public school classroom required. Prerequisite: Admission to Teacher Education. Cross-listed with Education. Credit 3 hours.
- 325 Research Methods.** An introduction to the theory and methodology of psychological research with emphasis on experimental design, data collection, statistical analysis, and report writing. Each student will actively participate in all four phases of the research process. Lecture and laboratory. Prerequisite: PSYC 112 and MATH 215. Credit 4 hours.
- 328 Organizational Behavior.** Individual and work group behavior in organizations. Exercises in the dynamics of power, developing leadership, facilitating quality and change, and interpersonal communication skills will be emphasized. Course procedures include oral and written communications, group interaction in class, and a major presentation. Cross-listed with Business. Credit 3 hours.
- 330 Biological Foundations of Psychology.** A study of the anatomy, physiology, and function of the nervous and endocrine systems and their relationship to psychological issues. Prerequisite: PSYC 112. Credit 3 hours.
- 333 Cognition.** The psychological study of attention, pattern recognition, memory, language, reasoning, problem solving, and creativity. Prerequisite: PSYC 112. Credit 3 hours.
- 335 Psychology of Sport.** A study of the psychology of motivation, attitudes, values, social mobility, and status as it relates to athletics. Cross-listed with Physical Education and Sport Studies. Credit 3 hours.
- 416 Psychological Assessment.** An examination of classic and current theories and methods of psychological assessment. Topics will include personality assessment, observation and behavioral techniques, interviewing, self-report inventories and questionnaires, projective techniques, and



maximum performance assessment. Prerequisite: Two Psychology courses and junior standing. Credit 3 hours.

- 421 Emotion.** A survey of the major historical and contemporary theories of human emotion, including biological, developmental, cognitive, and social perspectives. Prerequisites: Two Psychology courses and junior standing. Credit 3 hours.
- 422 Learning.** A survey of current learning theories and research in learning. Prerequisites: Two Psychology courses and junior standing. Credit 3 hours.
- 430 Biological Psychology.** The application of anatomical and physiological principles to psychological issues such as sensation and perception, movement, learning and memory, drugs, brain damage, and psychological disorders. Prerequisites: PSYC 112 and either PSYC 330 or BIOL 221. Credit 3 hours.
- 460 Internship in Psychology.** Internships are offered in an area of the student's interest such as (but not limited to) working at a mental health center or as a youth attendant for juveniles held by the court system. Prerequisites: Junior standing and submission of required paperwork to the registrar's office. Credit 6 to 14 hours.

## Social Science

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### Social Science Courses

Department Code: SOCS

- 101 Introduction to Leadership.** An introduction to leadership theory begins the class. Analysis of historical leaders, contemporary leaders, and self as leader follows. Students end the class with a learning experience designed to foster collaboration among a team of students and one that gives opportunity for that team to articulate a shared vision.
- 206 Exploring Leadership.** Study of proactive thought, personal and group visioning, ethics, and areas of personal leadership self-assessment will be covered. Facilitating group process and giving and receiving constructive criticism will be emphasized during the class time. Prerequisite: SOCS 101. Credit 3 hours.
- 225 Rebuilding Community.** After developing the ability to self-assess, assess the needs of the community, and listen to the people in need, the student will learn the skills for effectively working to meet needs in the community (e.g., grant writing; organizing, recruiting, and motivating volunteers; developing a preventative plan; and serving on boards). Designed for students who are planning a career in the service sector. Credit 3 hours.
- 301 Global Culture.** A concentrated study of selected major countries and culture areas outside Western culture. Credit 3 hours.
- 302 Diversity.** Twofold emphasis: 1) increasing students' awareness of their own ethnocultural roots and the influence of these roots on their world views and interactions with others, and 2) increasing students' understanding of and sensitivity to the experience of being an ethnic minority in the U.S. today. Credit 3 hours.
- 307 Applied Leadership.** Readings, experiential learning activities and reflective writing will help students develop leadership knowledge in four areas: facilitation, conflict resolution, creativity, and written persuasion. After an introduction to all four areas, students will choose one area to study in depth. Prerequisite: SOCS 206. Credit 3 hours.
- 330 Service-Learning Travel.** Students will prepare for a cross-cultural experience by reading, participate in the experience by travel and service, and then reflect on the experience through writing. Credit 1 to 3 hours.
- 408 Advanced Leadership.** Students will envision, design, implement, and evaluate a project as the project leader, in consultation with peers and faculty. All project leaders will meet weekly for consultation. Prerequisite: SOCS 307. Credit 3 hours.

## Sociology

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### Sociology Course

Department Code: SOC

- 201 General Sociology.** An intuitive grasp of the sociological perspective and a consistent framework from which to view, understand, and interpret social life. Examination of the major sociological

paradigms and concepts; their use in a systematic fashion to analyze American society. Credit 3 hours.

## Theatre Arts

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Higher education has historically had, at its heart, an appreciation of theatre. It has encouraged theatre as a part of students' lives, taught both its literature and art, and worked to develop students' understanding of the need for theatrical expression of our humanness. Southwestern College's theatre arts department is designed to meet the needs of both students in general liberal arts education and majors within the department. The department gives the opportunity to all students to develop skills, confidence and poise in various performance situations. It aims to develop the students' potential through classroom and extracurricular learning experiences, gives a basic knowledge of the theatre and the work and joy that are part of its creation, and stresses the importance of the arts in our lives as they help us to understand ourselves, others and the world we share.

For majors in theatre arts, the department provides an academic program and co- and extra-curricular activities. These prepare students for further studies in graduate or professional schools, and for careers in education or in professional theatre. The major aims to develop individuals prepared to live responsibly with concern for others, and to be creative, self-expressive leaders and citizens.

The theatre arts major provides for emphases in general theatre arts, musical theatre, theatre arts education, theatre arts performance or in technical theatre.

The theatre arts minor is available for students who wish to major in another academic area, but who also want transcript recognition for serious academic study in theatre. The Goal and Career Development course is a requirement for at least one hour each semester that students are declared a major, for a minimum of four hours for graduation. Theatre arts majors must counsel with a departmental advisor to declare an area of emphasis by the beginning of the junior year.

### **B.A., Major in Theatre Arts**

#### **Major requirements:**

In Theatre:

- 111 The Theatre Experience
- 224 Stagecraft
- 226 Acting 1
- 333 Theatre History 2
- 454 Senior Project

At least four credits in Goal and Career Development

#### **Cognate requirements:**

In Psychology:

- 112 General Psychology

All requirements of one emphasis area below:

### **Emphasis in General Theatre Studies**

#### **Requirements:**

In Theatre:

- 234 Oral Interpretation of Literature
- 332 Theatre History 1
- 424 Directing 1

Nine hours of departmental electives

In Communication:

- 230 Voice and Diction

## Emphasis in Musical Theatre

### Requirements:

#### In Theatre:

- 131 Dance: Jazz and Tap
- 132 Dance: Musical
- 133 Dance: Ballet
- 234 Oral Interpretation of Literature
- 332 Theatre History 1
- 336 Musical Theatre Performance
- 340 Musical Theatre History
- 170 or 270 or 370 or 470 Summer Theatre Workshop

#### In Communication:

- 230 Voice and Diction

#### In Music:

- 111 Foundations in Music
- At least four semesters of private voice lessons
- Demonstration of piano proficiency

## Emphasis in Speech and Theatre Education

### Requirements:

#### In Theatre:

- 111 Introduction to Theatre
- 224 Stagecraft
- 226 Acting 1
- 234 Oral Interpretation of Literature
- 325 Design for the Stage
- 333 Theatre History 2
- 415 Goal and Career Development
- 416 Goal and Career Development
- 424 Directing 1
- 425 Directing 2
- 438 Teaching and Directing Forensics, Debate, and Theatre in the Secondary School

#### In Communication:

- 101 Survey of Mass Communications
- 102 Elements of Oral Communication
- 123 Discussion or 208 Critical Thinking and Argumentation
- 125 Forensics
- 203 Interpersonal Communication
- 230 Voice and Diction
- 238 Group Communication

Completion of Communication and Theatre experience checklist

## Emphasis in Technical Theatre

### Requirements:

#### In Theatre:

- 227 Make-Up for the Stage
- 324 Arts Management
- 325 Design for the Stage
- 327 Costuming
- 332 Theatre History 1

#### In Art:

- 123 Basic Drawing
- 215 Painting Studio

## Emphasis in Theatre Performance

### Requirements:

#### In Theatre:

- 131 Dance: Jazz and Tap
- 132 Dance: Musical

- 223 Creative Dramatics
- 234 Oral Interpretation of Literature
- 332 Theatre History 1
- 424 Directing 1
- 425 Directing 2 or 426 Acting 2

In Communication:

- 230 Voice and Diction

## Minor in Theatre Arts

### Minor requirements:

In Theatre:

- 111 The Theatre Experience
- 224 Stagecraft
- 226 Acting 1
- 234 Oral Interpretation of Literature
- 332 Theatre History 1 or 333 Theatre History 2
- 454 Senior Project

Four credits in Goal and Career Development

## Interdisciplinary Major

Set up between Theatre Arts and other departments, major requirements will be developed from the student's need with faculty advisement.

## Theatre Courses

Department Code: THTR

- 111 The Theatre Experience.** Introduction to basic knowledge of the theatre, its origins, development, and the work and joy involved in the creative experience of theatre. Intended to increase the understanding of and appreciation for theatre by non-majors and majors. Laboratory with current productions. Credit 3 hours.
- 112-113-212-213-312-313-412-413 Improvisational Acting.** Theory and practice of improvisational acting. Theatre gaming used in process and performance toward development of original characters and scenes. Group managed as an ensemble. Credit 1 hour.
- 115-116-215-216-315-316-415-416 Goal and Career Development.** Required every semester for theatre majors. Students and instructor will design a project plan to meet the development level of the individual student. Jury at the end. Prerequisite: 2.0 GPA. Credit 1 to 3 hours
- 117-118-217-218-317-318-417-418 Interpretation Projects.** For individual development of goals and skills in oral interpretation of literature. Prerequisite: 2.0 GPA. Credit 1 to 3 hours.
- 121-122-221-222-321-322-421-422 Theatre Participation.** Recital experience in theatrical production. Requires work in a major technical aspect of a current production. A maximum of 8 hours may be counted toward degree. Prerequisite: 2.0 GPA. Graded S/U. Credit 1 to 2 hours.
- 131 Dance: Jazz and Tap.** Teaches basic dance movements and terminology, providing a foundation for musical theatre jazz and tap dance. Builds repertoire, providing students with audition and performance techniques. For experienced dancers, it provides extended challenges and lays the foundation for choreography. Includes recital performance. Cross-listed with Physical Education and Sports Studies. Credit 1 hour. May be repeated for credit.
- 132 Dance: Musical.** Teaches basic dance movements and terminology, providing a foundation for musical theatre dance. Builds repertoire, providing students with audition and performance techniques. For experienced dancers, it provides extended challenges and lays the foundation for choreography. Includes recital performance. Cross-listed with Physical Education and Sports Studies. Credit 1 hour. May be repeated for credit.
- 133 Dance: Ballet.** Teaches basic dance movements and terminology, providing a foundation for all movement and dance. Builds repertoire, providing students with audition and performance techniques. For experienced dancers, it provides extended challenges and lays the foundation for choreography. Includes recital performance. Cross-listed with Physical Education and Sports Studies. Credit 1 hour. May be repeated for credit.
- 170-270-370-470 Summer Theatre Workshop.** Student participation as members of Southwestern's Horsefeathers and Applesauce Summer Dinner Theatre Program. Credit 1 to 6 hours. May be repeated, but only 6 hours may count toward graduation.

- 223 **Creative Dramatics.** Designed for theatre performance and elementary education majors. Follows the philosophy that our world/reality is always changing. Improvisation, role playing, and other "theatrical games" for mutual understanding and trust. Credit 3 hours.
- 224 **Stagecraft.** Theory and practice of technical phases of play production. Study and application of principles of construction and handling of stage scenery, lighting and sound equipment. Laboratory with current productions. Credit 3 hours.
- 226 **Acting 1.** Theory and practice of acting. Study of dramatic literature and acting theory. Practice of character analysis, rehearsal and performance techniques. Credit 3 hours.
- 227 **Make-Up for the Stage.** Basic principles and practices of theatre makeup; various assignments to develop skill in theatrical makeup. Laboratory with current productions. Credit 3 hours.
- 234 **Oral Interpretation of Literature.** Active study of literature through oral performance for the solo performer. Recreation of the experience inherent in the performed text through an understanding of its emotional and intellectual content. Credit 3 hours.
- 324 **Arts Management.** An overview of the responsibilities of a director of an artistic organization. Management of personnel and facilities, programming, promotion, and budgeting will be studied in the classroom and in the field. Also includes visits to local arts organizations for firsthand experience. Credit 3 hours.
- 325 **Design for the Stage.** Study of stage design as it relates to scenic elements, lighting and sound. Prerequisite: THTR 224. Credit 3 hours.
- 327 **Costuming.** An examination of the history, development, basic principles of design and construction of stage costumes. Laboratory with current productions. Credit 3 hours.
- 331 **Theatre Across the Disciplines 2.** This lab-intensive course stresses theatre involvement and methods across the disciplines. Emphasis is placed on communicating with and developing empathy for others in a variety of fields including the humanities, social sciences, and natural sciences. The course seeks to connect learning and sharing among all disciplines through theatre games, creative dramatics, and dramatic literature, and its performance across campus and in the surrounding community. As theatre entertains and teaches, it helps us build connections to understand ourselves and our world. Prerequisite: LAS 231. Credit 3 hours.
- 332 **Theatre History 1.** Examines history of theatre from its origins through Classical, Medieval, Renaissance, Restoration and Romantic theatre. Reading of plays and study of theory, historical background, the physical theatre and its performers and their relationship to the culture and development of theatre. Credit 3 hours.
- 333 **Theatre History 2.** Development of theatre and dramatic literature beginning with Realism. Reading of plays and study of theory, historical development, genres, styles, physical theatre, performers, and the cultural diversity of the modern drama and the theatrical experience. Credit 3 hours.
- 336 **Musical Theatre Performance.** Develops skills in musical theatre performance, by developing of techniques for integration of acting, singing and dancing. Will work with variety of styles of musical theatre performance. Credit 3 hours.
- 340 **Musical Theatre History.** Taught as a seminar reading course, providing history of the musical foundation from its roots to contemporary musical theatre, combined with readings of librettos of major works. Credit 3 hours.
- 424 **Directing 1.** Theory and practice of directing. Play choice, analysis, and rehearsal techniques. Prerequisites: THTR 224, 226, COMM 230, or consent of the instructor. Credit 3 hours.
- 425 **Directing 2.** A continuation of THTR 424. This course requires the production of a one-act play. Prerequisite: Consent of instructor. Credit 3 hours.
- 426 **Acting 2.** Study of a variety of acting methods and styles. Preparation of a recital. Prerequisite: THTR 226 or consent of the instructor. Credit 3 hours.
- 438 **Teaching and Directing Forensics, Debate, and Theatre in the Secondary School.** A study of the problems and methodologies of teaching and directing forensics, debate, and theatre activities in secondary schools. Includes observation and participation in drama, debate, and forensic activities designed for the public school programs. Satisfies teacher licensure requirements for Education 438. Prerequisites: Theatre participation practical experience check sheet, participation in debate and forensic activity courses. Cross-listed with Communication. Credit 3 hours.

# Graduate Studies

Southwestern College offers graduate programs both on its main campus and in professional studies settings. Most require either 36 or 39 hours for completion.

Graduate degrees earned on the main campus are fifth-year programs, intended to be completed immediately following completion of the bachelor's degree. Classes are scheduled on campus and most are offered during the day. Fifth-year students enroll in two courses each eight-week session, making it possible to complete the degree in one year of full-time study.

Professional studies graduate degrees are intended for working adults, and several of these degrees are offered entirely online. Classes generally last six weeks; master of education classes are offered in six and 12-week sessions.

## **Master of Arts in Specialized Ministries (M.A.S.M.)**

Fifth-Year, Professional Studies (online)

The master of arts in specialized ministries program is designed with an emphasis on youth and young adult ministry. This nondenominational program develops key ministry leadership skills and prepares those who minister to and promote spirituality among young people to practically apply core academic and theological principles in contemporary church settings.

## **Master of Business Administration (MBA)**

Fifth-Year, Professional Studies (on ground, online)

The master of business administration program is taught by professional instructors with real world experience that will benefit students of all backgrounds. The curriculum stresses solid contemporary management concepts and techniques, in addition to theory. All undergraduate majors are eligible for admission to this degree.

## **Master of Education (M.Ed.)**

On-ground (with online components)

The master of education degree is designed to enhance and improve the skills and understandings of the teacher-practitioner and to provide a sound theoretical base for continued study. It is grounded in the core propositions of the National Board for Professional Teaching Standards. Majors are offered in curriculum and instruction and in special education.

## **Master of Science in Leadership (M.S.L.)**

Fifth-Year, Professional Studies (online)

The master of science in leadership couples real-world skills and understanding with theoretical frameworks and leadership models. Students learn relationship management and leadership skills to become more effective in any organization, whether military, corporate, government, health care, small business, education or non-profit. It is appropriate for all undergraduate majors.

## **Master of Science in Management (M.S.M.)**

Professional Studies (online)

The master of science in management program combines courses in business and leadership to provide a strong foundation for any person wishing to make a positive difference in their workplace, church, community or personal life. This program provides students necessary business skills in areas such as project management, human resource management, finance, organizational ethics and statistical analysis.

## **Master of Science in Security Administration (M.S.S.A.)**

Professional Studies (online)

Southwestern College's master of science in security administration program is designed to prepare mid- to upper-level managers in the security industry to take increasing levels of responsibilities and leadership positions. The program stresses problem solving, leadership,

critical thinking, and application of theory-to-practice in addition to knowledge in security-related subject matter.

**For complete information regarding graduate programs, see the graduate catalogs online or contact:**

**For Fifth-Year programs:**

Admissions Office  
Southwestern College  
100 College Street  
Winfield, Kansas 67156-2499  
(620) 229-6000 ext. 6230

**For Professional Studies programs:**

Graduate Education Program Office  
Southwestern College  
2040 S. Rock Road  
Wichita, Kansas 67207-5350  
(316) 684-5335

# Professional Studies

Especially designed to serve the needs of working adults, Professional Studies offers online, evening, daytime, and weekend courses at centers in downtown Winfield, east Wichita (Rock and Pawnee), west Wichita (Ridge and Central), McConnell Air Force Base, Fort Riley, and in Midwest City, Oklahoma.

For complete information regarding enrollment and policies specific to the Professional Studies programs, see the online catalog or contact Professional Studies offices at:

2040 S. Rock Road  
Wichita, KS 67207-5350  
(316) 684-5335  
Fax: (316) 688-5218  
[info@southwesterncollege.org](mailto:info@southwesterncollege.org)

7011 W. Central, Suite 205  
Wichita, KS 67212-3386  
(316) 946-1116  
Fax: (316) 946-1079  
[wwichita@sckans.edu](mailto:wwichita@sckans.edu)

123 E. Ninth Ave.  
Winfield, KS 67156-2815  
(620) 221-7999  
Fax: (620) 221-0808  
[winfield@sckans.edu](mailto:winfield@sckans.edu)

1140 S. Douglas Blvd.  
Midwest City, OK 73130  
(405) 733-3301  
[okc@sckans.edu](mailto:okc@sckans.edu)

McConnell AFB  
22MSS/DPE  
53474 Lawrence Ct.  
McConnell AFB, KS 67221  
(316) 681-1467  
Fax: (316) 681-2837  
[mccconnell@sckans.edu](mailto:mccconnell@sckans.edu)

Fort Riley  
Building 215, Custer Ave.  
Fort Riley, KS 66442  
(785) 784-9930  
[fortriley@sckans.edu](mailto:fortriley@sckans.edu)



# Academic Policies

## Academic Integrity

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Southwestern College assumes the academic integrity of its students. In cases where academic integrity is in question, the following definitions and policies will apply.

Academic dishonesty is any act of cheating, fabrication, plagiarism, abuse of resources, forgery of academic documents, dissimulation, or sabotage, and any act of aiding and abetting academic dishonesty. The following definitions make clear the policy of the college.

1. Cheating is using or attempting to use unauthorized materials, information or study aids in any academic exercise. Examples: copying homework, copying someone else's test, using an unauthorized "cheat sheet," etc.
2. Fabrication is the falsification or invention of any information or citation in any academic exercise. Examples: making up a source, giving an incorrect citation, misquoting a source, etc.
3. Plagiarism is the representation of the words and ideas of another as one's own in any academic exercise. Plagiarism includes failing to give a citation for using work from another person or source. Modifications and rephrasings do not reduce the requirement for giving a citation. This also applies to information obtained electronically, such as from the Internet.
4. Dissimulation is the disguising or altering of one's own actions as to deceive another about the real nature of one's actions concerning an academic exercise. Examples: fabricating excuses for such things as missing classes, postponing tests, handing in late papers; turning in a paper for one class that was originally written for another class, etc.
5. Abuse of resources is the damaging of any resource material or inappropriately limiting access to resource material which is necessary for academic work. Examples: hiding library materials, removing noncirculating material from the library, hiding or stealing another person's textbook, notes or software, failure to return library materials when requested by the library, etc.
6. Forgery of academic documents is the unauthorized changing or construction of any academic document. Examples: changing transcripts, changing grade books, changing grades on papers which have been returned, forging signatures, etc. Examples also include completion of an application for any Southwestern academic program which omits or falsifies any requested information. Such violations can result in the revocation of the application, even if approval was previously granted on the basis of fabricated information.
7. Sabotage is the damaging or impeding of the academic work of another student. Examples: ruining another student's lab work, destroying another student's term paper, etc.
8. Aiding and abetting academic dishonesty is knowingly facilitating any act defined in 1-7.

### Policies for Dealing with Academic Dishonesty

The instructor shall determine if the infraction is intentional or unintentional. Any violation of the policy not under the supervision of a faculty member will be handled by recommendation of the academic dean to the Academic Affairs Committee. On the first offense, violations of the academic integrity policy will result with:

1. A reprimand (written or verbal) for unintentional violations
2. A zero for the assignment (paper, exam or project) for intentional or flagrant violations

Unintentional infractions may be reported to the academic dean at the discretion of the faculty member. All infractions deemed by the faculty member to be intentional or flagrant must be reported in writing to the academic dean; the student will also be notified verbally or in writing. The academic dean shall keep a record of reported infractions and sanctions.

A second or any subsequent intentional or flagrant violation of any part of the academic integrity policy during a student's academic career at Southwestern is grounds for suspension and requires a conference with the academic dean to determine the outcome. Any student so suspended has a right to an appeal. If a student wishes to appeal, the request should be made in writing and must be received in the academic dean's office within thirty days of the suspension announcement. The appeal will be heard by the Academic Affairs Committee and the committee's decision shall be final.

*Adapted and used by permission from Tabor College.*

## Assessment

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Southwestern College is committed to quality in higher education. It strives to meet the educational needs of society and of individual students. The student assessment program at Southwestern exists to evaluate the effectiveness of the college experience in assisting students' movement toward the outcomes identified as flowing from the mission of the college. To that end aggregate data are collected from students at the beginning of the fall semester and at the end of the spring semester. The process and product of student assessment focuses on the centrality of the teaching mission of higher education, and on the institution's ability to self-correct in ways meaningful to the educational experience of students.

Students enrolled at Southwestern are expected to participate in the student assessment program. The information resulting from the assessment process will not be used in any way other than for institutional improvement and individual student advising. Students may be privy to their individual scores and may use them in ways they deem helpful.

## General Academic Policies

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**Full-time Course Load.** A normal full-time load is 12-16 credit hours. Students taking 19 or more hours must have the approval of the academic dean. Full-time students who successfully complete each term's work and meet all major requirements may expect to graduate after four years of study.

**Part-time Course Load.** Students carrying fewer than 12 hours are classified as part-time students.

**Student Classification.** Students are classified on the basis of the number of accumulated earned hours according to the following schedule:

Freshman	1 to 24 semester hours
Sophomore	25 to 49 semester hours
Junior	50 to 84 semester hours
Senior	85 semester hours and above

**Course Numbering System.** Courses are numbered by level:

Freshman	100
Sophomore	200
Junior	300
Senior	400

**Courses to Carry Credit Indicated.** All courses must carry the credit indicated in the catalog except by action of the academic affairs committee.

**Attendance Policy.** Students are expected to attend all classes as scheduled. Students who are absent are accountable for missed material and are responsible for arranging make-up work. Absences exceeding three times the number of class meetings per week are considered

unacceptable. Tardies may be counted as absences. The college supports attendance policies that are more restrictive, if such policies have been stated in the course syllabus.

## Registration

**Course Selection Guidelines.** Students are strongly encouraged to meet with their advisor during the course selection period. Advisor approval is required to complete course selection. Juniors and seniors are advised to complete their course selection during the first two days of a course selection period to ensure that their major course requirements will be met. In addition, students must either pay their student account in full or make payment arrangements with college services by the last day of the add/drop period in order to finalize their enrollment at Southwestern College.

**Add/Drop Policy.** Prior to the first day of the semester, students may add a class with advisor approval, either online or by submitting the appropriate form to college services. Once the semester begins, students must obtain written permission from the advisor and instructor to add a course during the rest of the add/drop period. Students wishing to drop a class at any time during the registration period must get written permission from their advisor and submit it to college services. After the last day of the add/drop period, students wanting to drop a class must go through the official withdrawal process (see Official Withdrawal from Courses).

**Waitlist Policy.** Waitlists are tracked by the student information system. Once space becomes available in a course, students who are first on the waitlist are automatically notified via e-mail to their official school e-mail address. Students are given 48 hours to respond; if they do not respond, they are dropped from the waitlist. Exceptions to this policy may be made in the case of graduating seniors and transfer students.

**Audit of Classes.** Auditing consists of attending a class regularly without participation in class work or receiving college credit. Auditors must receive permission from the instructor and submit a completed Special Studies Request form to the registrar's office before enrolling in the class. Students auditing a course must pay an audit fee. Some laboratory classes may not be audited; others may depend upon payment of laboratory and special fees.

## Grades

**Grading System.** The college grading system defines the following marks as graded hours and assigns the grade points shown per credit hour:

- A = Superior work (A+ or A, 4 points; A-, 3.67)
- B = Above average work (B+, 3.33; B, 3; B-, 2.67)
- C = Average work (C+, 2.33; C, 2; C-, 1.67)
- D = Minimally acceptable work for receiving credit (D+, 1.33; D, 1; D-, 0.67)
- F = Failure (0 points)

These additional marks are also used but do not designate graded hours and do not impact calculation of a GPA:

- WD = Withdrawal from a course
- AW = Administrative withdrawal from a course
- I = Incomplete work
- S = Satisfactory work (equivalent to a C- or better)
- U = Unsatisfactory work

**Satisfactory/Unsatisfactory Grading.** In any term, a student may choose one elective (not a departmental requirement or a required cognate course) to be graded as "S" or "U". This choice is to be made at the time of registration and may not be changed after the published last day for enrollment.

**Incompletes.** A student may request a temporary grade of incomplete when the work of the student has been generally satisfactory, but for reasons beyond the student's control it has not been possible to complete certain assignments made by the instructor. If the instructor agrees to the student's request, the student and teacher must jointly complete and file with the registrar a form describing the work remaining in the course and a plan for its completion.

If an incomplete is given, the deadline for finishing the course work is 30 days after the beginning of the term (fall, spring, summer) following the term in which the incomplete is given, or an earlier deadline as agreed to by the student and teacher. A grade of "F" will automatically be entered as a final grade if the remaining work is not completed by the deadline.

Extension of the deadline may be allowed by special permission of the academic dean in cases of illness or other conditions beyond the student's control. Requests for extensions of deadlines must be initiated by the student and endorsed by the instructor involved in order to be considered. During the period in which a student holds an incomplete, the grade point average will be calculated without counting the incomplete.

An instructor may not give an incomplete unless the student has requested it. If the signed incomplete form is not submitted to the registrar's office by the end of the grading period for that term, a grade of "F" will be recorded.

**Appeal of Grade.** Any grade change or appeal for a grade change must be requested within 30 days after the beginning of the fall or spring term following the term in which the grade is given. If a student believes the grade recorded by an instructor is inconsistent with the documentary evidence, an informal discussion with the faculty member is required as the first step of an appeal. If satisfactory resolution is not achieved at this level, the student may then seek resolution with the program director/department chair in which the course is taught. The final step would be to submit a written request for an appeal of a grade to the academic dean (or assistant dean). After receiving the written request, the dean will meet with the student to verify an attempt at resolution of the issue through the negotiation process and/or in mediation with the student and faculty. If it is determined that resolution has not occurred, the dean will request written documentation with rationale from both the student and the instructor regarding the grade assigned. The dean will also schedule a hearing with the appeals committee. The appeals committee will be made up of the academic dean (or assistant dean), dean of students (or assistant dean of students), and the chair of the Academic Affairs Committee. The committee has the right to interview the student, the faculty member(s), and other pertinent individuals in an effort to reach a just resolution of this issue. This committee will render the final decision on the appeal. Notification of the grade appeal findings will be forthcoming from the dean's office.

This process is followed in appealing sanctions placed on a student as a result of the academic integrity policy as well.

**Repeating Course Work.** If a student repeats a course, both the original and repeat grade will be recorded on the official transcript, but only the repeat grade will be used in calculating earned hours and grade point averages, regardless of whether that grade is higher or lower than the original grade. Courses shown in the catalog as repeatable for credit do not fall under this rule.

**Failure to Meet Course Requirements.** If a student exceeds the permitted number of class absences or otherwise fails to do the work of a course, an instructor can inform that student in writing that it will be impossible for the student to pass the course and an "F" will be the result when grades are turned in. The instructor may wish to suggest to the student that further attendance or completion of class work will not change this outcome.

If this notice comes prior to the official last day to withdraw from a course, the student may withdraw and receive a grade of "WD". After that date the grade will be "F". A copy of the notification letter will be sent to the academic dean. Any exemption from this policy must be discussed with the instructor personally, and the final judgment is the instructor's.

**Academic Bankruptcy.** Individuals who have accumulated a grade point average of less than 2.0 at Southwestern College may petition the academic dean and the Academic Affairs Committee to have their prior Southwestern College Academic record “forgiven.” To qualify, the petitioner cannot have been enrolled as a full time degree candidate at Southwestern College for a period of two years. A request is to be judged by the Academic Affairs Committee in terms of the student’s readiness for academic success. A student may receive academic forgiveness only once. When granted, the student’s prior record of academic work completed at Southwestern College will be sealed. The new academic record will indicate “Academic Forgiveness Granted” and the effective date. The student may then resume study under no academic restrictions.

This policy applies only to the usage of student academic records within Southwestern College. This would include the use of student GPA in determination of graduation requirements, suspensions and probations, and internal financial aid stipulations. Although a student’s prior academic record will be marked as “Academic Forgiveness Granted,” outside agencies and other academic institutions may choose to ignore this distinctions and require copies of all Southwestern College academic work for their purposes. A student transferring from Southwestern to another institution must follow the receiving institution policy.

*Taken from: Washburn, KU, WSU, Kansas Wesleyan University catalogs.*

## Withdrawal

**Official Withdrawal from Courses.** Any student may withdraw from a course in the fall or spring term at any time until the close of the ninth week and receive a grade of “WD”, which does not influence the grade point average. During a summer term, each day of class counts as equivalent to a week in a regular term. Withdrawals are done at the college services counter. Failure to withdraw in a timely manner may result in an “F” showing on the transcript if the student does not fulfill the course requirements in a satisfactory manner. For classes that last one week or less, regardless of term, no cancellation is possible once the class begins.

**Withdrawal from College.** Any student wishing to withdraw entirely from the college during a term should give official notice at the college services counter. Withdrawal protects the academic record in that the designation of “WD” is recorded for any course in progress at the time of the student’s departure from the college. Students who leave without completing the withdrawal process risk receiving “Fs” for courses in progress and jeopardize any partial refunds of tuition and board in accordance with the information shown in this catalog under “Charges and Fees.”

**Administrative Withdrawal.** The administration may elect to register the “AW” mark for courses in progress under limited circumstances associated with medical emergencies, disciplinary action, or exigent circumstances preventing the student from requesting a withdrawal or an incomplete.

## Probation/Suspension

**Academic Probation.** When the overall grade point average falls below 2.0, a student is placed on academic probation and will receive notification from the academic dean. Any student placed on academic probation will be evaluated by the director of student support services, who will work with the student to devise a contractual plan of improvement. This plan may include enrollment in a Essential Skills course(s), periodic monitoring by the director and/or meetings with the advisor. Any student placed on academic probation is subject to the conditions prescribed by the Academic Affairs Committee.

**Academic Suspension.** Students who fail to maintain the standards listed in the suspension index chart below are failing to make minimum progress toward the degree and therefore may be suspended from the college. Additionally, students who complete a term with an “F” average may be suspended. Generally, suspended students may petition the Academic Affairs Committee for readmission after one semester.

Any student who is academically suspended has a right to an appeal. A request for appeal should be made by the student in writing and must be presented to the academic dean within two weeks of the date of suspension. Supporting material should be submitted by the student prior to the appeals meeting. The appeal will be heard by the Academic Affairs Committee, and the committee’s decision shall be final.

<b>Total Hours Attempted</b>	<b>Suspension if Cumulative GPA Below</b>
1-12	1.40
13-24	1.50
25-29	1.60
30-34	1.70
35-39	1.80
40-44	1.90
45-above	2.0

**Non-Course Credit**

**Validation of Credits by Examination.** Course credit may be earned by special internal examination and added to the student’s record. The examination may be administered to any regularly-enrolled student by a faculty member designated by the academic dean. A transcript validation fee applies to all courses locally validated.

A student may present scores earned on examinations administered by outside agencies approved by the Academic Affairs Committee. Credit from this source may include the College Level Examination Program, Advanced Placement program, Dantes, and evaluations provided by the American Council on Education of military service and other educational programs. Up to 30 hours of credit may be validated by external examination. Credit by examination awarded by other accredited colleges is accepted as transfer credit.

Credits earned by validation are graded satisfactory (S). They count toward graduation and, when initially entered by Southwestern or another baccalaureate degree-granting institution, toward the minimum 60 hours required from baccalaureate-degree-granting institutions. They do not assist in fulfilling the requirement for a minimum of 30 hours in Southwestern courses.

**Credit for Prior Learning.** It is recognized that many persons have accumulated non-college experiences that can be translated into college credit. Degree candidates may apply for evaluation of experiential credit during their graduation year at Southwestern.

A student who wishes to apply for such credit is invited to prepare a summary of those experiences in writing, strictly following guidelines outlined in a document available from the academic dean’s office.

Students enrolled in the Professional Studies program should confer with center staff regarding application procedures.

The dean, in consultation with the student’s advisor, uses various methods of evaluation to assess the student’s competence level and grants elective credit hours accordingly.

Examples of work and other experiences that may be considered for credit are in-service education, continuing education in any form, occupational experience, professional attainment, and travel that can be shown to have resulted in personal growth and learning.

Credits awarded by Southwestern College for prior learning are graded satisfactory (S). They count toward graduation but do not assist in fulfilling the requirement for a minimum of 30 hours in Southwestern courses.

A fee will be assessed for evaluation of prior learning. It must be paid at the time an application is submitted for evaluation.

## Academic Honors

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**Graduation with Honors.** General honors are awarded to those members of the graduating class who throughout their college career have attained a high average of scholastic achievement in their work. Seniors with a grade point average of 3.85 or higher will graduate *summa cum laude* (“with highest honors”); a 3.70 will be required for *magna cum laude* (“with high honors”), and 3.50 for *cum laude* (“with honors”). For students who have transferred hours to Southwestern, both the resident GPA and the cumulative GPA must meet the standard.

**Departmental Honors.** Departmental honors are awarded to graduates with a grade point average of 3.50 or higher in their major coursework and who have successfully completed study of a specific subject in accordance with the following guidelines. The student must submit a copy of the proposal to both the Academic Affairs Committee and the registrar’s office no later than the last day of classes in the closing term of his/her junior year. The project proposal will include the general area of study, the research question/statement and rationale, a list of the student’s committee members, and a preliminary project time schedule. The committee should include a Southwestern College supervising faculty member, a Southwestern College faculty member serving as the student’s advocate, a person not affiliated with Southwestern College who can offer expertise in the area of study, and additional members as expertise suggests (e.g., a statistician). The submitted proposal must also include a letter of support from the supervising faculty member. The project will be completed and presented to the project committee prior to the deadline for senior grades. The committee will decide if the project merits “pass with honors,” “pass without honors,” or “no pass.” The supervising faculty member will then notify in writing the academic dean, the chair of the academic affairs committee, and the registrar of the committee’s decision. Students desiring publication of their award in the Honors Convocation program must have completed all requirements for departmental honors including the presentation to the project committee prior to April 1 of the spring semester of the student’s senior year. These requirements are intended to be minimum standard for departmental honors for the entire campus. However, each department may choose to add further requirements in accord with the needs of that academic discipline.

**Dean’s Honor Roll.** The Dean’s Honor Roll recognizes scholastic achievement of full-time undergraduate students during a single term. Based on the grades for the current term, students who earn 12 or more hours with a grade point average of 3.70 or higher are placed on the Dean’s Honor Roll. The registrar shall exclude from the published Dean’s Honor Roll any student taking an “incomplete” for a course in the calculated term.

**Valedictorian/Salutatorian.** The graduating senior with the highest grade point average at the time all senior grades are turned in is recognized as valedictorian. The second highest ranking student is named salutatorian. If two or more persons are ranked equally for valedictorian all are named such and no salutatorian is recognized. If two or more persons are ranked equally for salutatorian all are recognized. Selection is made from graduating seniors who have earned at least 60 graded hours at Southwestern and have not previously been named to the honor.

**Order of the Mound.** The Order of the Mound recognizes academic achievements of baccalaureate-level graduates. Students are named to the Order of the Mound according to the following procedure:

1. Members shall be named once a year, in May, following submission of final grades for graduating seniors but prior to awarding of degrees at the May Commencement.
2. After recording final grades, the registrar shall prepare a list of baccalaureate-level students graduating in the upcoming Commencement (this list shall include all students who have completed graduation requirements since the previous year’s Commencement). These students shall be arrayed by cumulative grade point average, with the highest GPA at the top of the list.

3. The number of students (n) eligible for Order of the Mound membership shall be determined as 10 percent of the names on the completed array. If n is a fractional figure, it shall be rounded off.
4. The registrar shall strike from the list those students who have completed fewer than 60 graded hours (A/B/C/D/F) at Southwestern College.
5. The registrar shall also strike from the list those students who previously have been named to the Order of the Mound.
6. The registrar shall then count the first n students in the array for Order of the Mound membership. If the nth student holds the same grade point average as one or more students farther down the array, those additional students shall also be included for membership unless such action increases membership to greater than 12 percent of the graduates. In such case, the first grade point average higher than that of the tied group of students shall be used as the final one for inclusion in membership.

**Scholar of the College.** The senior student with the highest grade point average is recognized at the matriculation convocation each fall. The selection is made from full-time students who are enrolled in campus-based programs and have earned 85 or more hours (at least 30 of which are graded hours earned at Southwestern), have not earned a degree, and have not previously been named to the honor. In the event that several students rank equally, all share the honor.

**Junior Marshals.** Junior marshals lead the processions of graduates at honors convocation and at commencement. They are selected by the following procedure:

1. All those full-time students who are enrolled in campus-based programs and have earned between 79 and 110 hours (inclusive), of which at least thirty are graded hours earned at Southwestern, at the time of the spring honors convocation shall be considered for the honor.
2. The two persons meeting the above criteria and having the highest cumulative grade point averages shall be named junior marshals.
3. In the event that there are more than two persons with identical highest grade point averages, all those persons shall be named junior marshals.
4. In the event that one person has the highest grade point average and there are two or more persons with the second highest grade point average, all those persons shall be named junior marshals.

**Masterbuilders.** Six graduating seniors who best typify the spirit of Southwestern are selected annually by the following process. The registrar prepares a list of graduating seniors who are enrolled in campus-based programs, excluding persons who have previously been elected Masterbuilder. Each Student Government Association member nominates six seniors from the list. Any senior receiving a nomination is included on a list submitted to the faculty. Each faculty member votes for six seniors from this list. Any senior receiving one or more votes from the faculty is included on a list submitted to the student body. In an election conducted by the Student Government Association, each student may then vote for six seniors. The six graduating seniors receiving the highest number of votes are named Masterbuilders. The formal announcement of these seniors is made at the spring honors convocation.

## Special Academic Studies

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**Independent Study.** The academic curriculum at Southwestern College has been designed to give ample opportunity for independent study. Intended for students who have established a foundation of understanding and competence in a given discipline, independent study permits pursuit of that discipline to an extent or in a specialized area not offered in any established course. Independent studies are to be initiated by the student in conference with a member of the faculty. Approval forms for the study are available at the registrar's office. The form requires a complete description of the work to be done and the basis for grading, the signatures



of the student, supervising teacher, and the division chair. It is to be returned to the registrar's office at the time of enrollment for the course. Two special types of independent study are the honors program and the senior project.

**Practicum.** A practicum involves work experience of a practical nature related to a particular discipline, and may take place either off or on campus. A student may enroll in a practicum course for one to five credit hours. These courses are available to sophomores, juniors, and seniors. Approval forms for practicums are available at the registrar's office. The form requires a complete description of the work to be done and the basis for grading, the signatures of the student, off-campus supervisor, supervising teacher, and the division chair. It is to be returned to the registrar's office at the time of enrollment for the course.

**Internship.** The internship program provides work experience in industry, social, or civic agencies on a full-time basis either voluntary or paid. A student may enroll in an internship for six to fourteen credit hours. The program is available to junior and senior students. Approval forms for internships are available at the registrar's office. The form must be returned to the registrar's office at the time of enrollment in the course. Participation in the internship program requires previous academic preparation in the general areas of the internship as well as academic supervision during the course of the work.

**International and Other Off-Campus Study Programs.** Southwestern College provides counsel and assistance in planning off-campus and international study programs. During the past few years, students have studied in Ireland and Ecuador, Chicago, Washington, D.C., and other locations in the United States. Students wishing to maintain an enrolled status at the college for the period of their study abroad must pay an enrollment maintenance fee. Additional fees, such as for transcript translation and evaluation may apply. For information on these programs, inquire at the academic dean's office.

**Special Lectures.** Roy L. Smith-Willson Lectures were established by Mr. and Mrs. J. M. Willson of Floydada, Texas, to call attention to the important moral and religious aspects of education. Outstanding leaders of the nation are invited to give these lectures. Parkhurst Lectures on the Bible were established by Dr. and Mrs. George Parkhurst to bring to the campus scholars who are known for their unusual ability to interpret the meaning and purpose of the Bible for a student generation. The Paul V. Beck Lectureship on Science and Religion was established by Paul V. Beck of Tulsa, Oklahoma. Well-known scientists and Bible scholars present the Beck Lectures.

# Admission to Southwestern

Southwestern College invites applications from students whose personal and academic records show high standards of achievement, thus giving promise of academic success in the years ahead.

The rationale used in each admission decision for all categories of students is the concern for each student to have a successful academic experience at Southwestern College. The Office of Admission reserves the right to accept or deny each applicant. An applicant who wishes to contest a denial may request a review of the application by the director of admission. The appeal will be heard by the enrollment management team whose decision shall be final.

Southwestern College does not discriminate on the basis of race, gender, color, religion, age, national origin, ethnic origin, physical disability, or sexual orientation in the recruitment and admission of students, the recruitment and employment of faculty and staff, and the operation of any of its programs and activities.

## Admission Standards

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### First-Time Freshmen

**Graduates of Accredited High Schools.** Admission decisions for graduates of accredited high schools are based on a combination of curriculum, grade point average, American College Test (ACT)/Scholastic Aptitude Test (SAT) scores, and written essay.

Southwestern recommends a minimum high school curriculum reflecting the following coursework:

1. Four years of English
2. Three years of mathematics (including algebra 1, algebra 2, and geometry)
3. Two years of science (including one year of general science and one year of laboratory science)
4. Two and a half years of social science (including one year of American history, one year of world history, geography, or equivalent, and a half year of sociology, psychology, citizenship, or equivalent)
5. Two years of foreign language, oral communications, or computer science, or any combination of the three.

Generally, students with a minimum composite score of 19 on the ACT and a minimum 2.75 cumulative grade point average are admitted without restriction to the college. Students who fall below either of the criteria are accepted with some restrictions to the college.

**Essay.** An essay on a topic of your choice or an example of your writing skills from a class you have taken is also required. Essays are evaluated for content, style, and grammar and should be long enough to sufficiently develop the idea(s) presented. Double-spaced, typewritten essays are preferred.

**Graduates of Non-Accredited High Schools and Home School Students.** Students graduating from non-accredited high schools, home school students, and GED completers may apply using one of the three options listed below:

1. Admission decision will be based on a combination of curriculum equivalent to that required of accredited high school graduates, grade point average, ACT/SAT scores, and written essay.
2. Admission decision will be based on a combination of a portfolio of accomplishments during the student's high school years, ACT/SAT scores, and written essay.
3. Admission decision will be based on scores on the General Education Development (GED) test that are above the 50th percentile and written essay.

## Advanced Placement Scholars

Southwestern College will accept as special students those who are currently completing their high school courses of study and who wish to take up to six hours of college credit per semester. Permission must be granted by the appropriate high school administrators.

## Transfer Students

Students who have completed high school and who have accumulated more than six college credits since then are classified as transfer students. Admission decisions for these students are based on a combination of college grade point average, curriculum, and written essay.

A cumulative grade point average of 2.0 or higher is required for transfer students. This grade point average will be calculated on core courses or courses that are equivalent to Southwestern College courses (exclusive of activity credits). Southwestern College gives full value to transcripts of records from institutions recognized by the Council for Higher Education Accreditation (CHEA). The college does not accept transfer credit for varsity athletics or for remedial-level coursework.

If the student is transferring with fewer than 24 hours of credit, a transcript from an accredited high school showing graduation or a GED with a score above the 50th percentile will also be required for admission.

In addition, transfer students are required to write an essay. For details about the essay content, please refer to the directions under the requirements for high school graduates.

In order to graduate from Southwestern College, transfer students must complete a minimum of 60 hours at an accredited four-year academic institution. Thirty of the 60 hours must be completed at Southwestern.

Transfer hours with grades below “C” will not count toward major requirements or to waive integrative studies requirements.

## International Students

Admission decisions for international students are based on a combination of English proficiency, successful completion of courses leading to graduation, letters of recommendation, and proof of financial support.

Students who have attended schools where English has not been the primary language of instruction must show evidence of English proficiency through a score of 550 or higher on the written test of the Test of English as a Foreign Language (TOEFL), special courses in other institutions such as completion of the highest level of an Intensive English Language Center program, or other relevant experiences.

Entering freshmen must have graduated from a secondary institution in their home country and must provide original certified copies of their academic transcripts which have been translated into English. Transfer students must provide original certified copies of all college transcripts which have been translated into English. An international student who enrolls as a degree-seeking student at Southwestern and who has taken courses at colleges outside the United States must pay to have these credits evaluated through a transcript evaluation service approved by Southwestern College.

In addition, international students must submit a certified bank statement indicating that the student or the student’s sponsor has sufficient funds to meet the first year’s expenses, a personal statement about the student’s background, interests and personal accomplishments, and three letters of recommendation. If the student is being sponsored, a certified letter from the sponsor should be submitted indicating that the sponsor will be supporting the student during the student’s stay in the United States. If the student is sponsored by the student’s home government, the student should send a certified letter from the government indicating support and billing information.

## Application Procedure

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### First-Time Freshmen and Transfer Students

To be admitted to Southwestern College, the student should take these steps:

1. If possible, visit the campus to become acquainted with the college community and to discuss the admission process with an admission counselor.
2. Complete an admission application form and return it to the college with a \$20 processing fee and a written essay.
3. Have the official transcripts of all high school and/or college credit sent to the Southwestern College Office of Admission. High school transcripts should include class rank (if applicable), grade point average, and grading scale whenever possible.
4. Take either the American College Test (ACT) or the Scholastic Aptitude Test (SAT) and have the scores forwarded to the admission office. Students should take the ACT or SAT prior to the spring semester of their senior year to take full advantage of Southwestern scholarship opportunities. The ACT code number for Southwestern College is 1464 and the SAT code number is 6670.
5. Upon acceptance for admission, the student is requested to submit a tuition deposit of \$100 which will allow the student to pre-enroll for classes. The deposit will also allow students living on campus to receive their room assignment. This deposit is refundable through May 1 for the fall term and through December 1 for spring term. The deposit will be credited to tuition charges when the student enrolls.

**Deadlines.** New students wishing to enroll full-time at Southwestern College in the fall semester should have a complete application file in the Office of Admission by August 1. New students wishing to enroll full-time at Southwestern College in the spring semester must have a complete application file in the Office of Admission one week prior to the start of spring classes.

A complete application file includes:

1. application form
2. application fee
3. other requirements as listed under each student category.

Students accepted for fall term are reminded that all paperwork for financial aid, housing, and health forms should be turned in by August 1. To receive priority housing assignments, the housing form and admission deposit must be received by May 1.

### International Students

To be admitted to Southwestern College, international students should take these steps:

1. Write, e-mail, call, or visit the campus to become acquainted with the college community and to discuss the admission process with an admission counselor.
2. Complete an admission application form and return it to the college with a written essay.
3. Have the official transcripts of all high school and/or college credit translated into English and sent to the Southwestern College Office of Admission. High school transcripts should include class rank, grade point average, and grading scale whenever possible.
4. Take the Test of English as a Foreign Language (TOEFL) and have the scores forwarded to the Office of Admission. The TOEFL code number for Southwestern College is 6670. If applying for English proficiency through other means, forward documentation such as transcripts accompanied by an explanation to the Office of Admission for review.
5. Forward three letters of recommendation, translated into English, from teachers or professors who are familiar with the student's academic ability.
6. Complete the certification of finances form documenting amounts of financial support from sources other than Southwestern College. If sponsored by the student's home

government, send a certified letter indicating amount of support and billing information.

7. Remit a \$1,100 deposit.
8. Upon acceptance for admission and the receipt of the \$1,100 deposit, the student will be forwarded a Form I-20. This should be presented to the student's local United States consular officer to obtain a student F-1 visa. If for some reason the student is unable to obtain a visa, \$900 of the deposit will be refunded. A portion (\$100) of the deposit is used to pay the Student and Exchange Visitor Program (SEVIS) I-901 fee required of all new international students entering the U.S. on an F-1 visa for the first time. This fee is nonrefundable and paid to the U.S. Immigration and Customs Department.

**Deadlines.** International students wishing to enroll full-time at Southwestern College in the fall semester must have a complete application file in the Office of Admission by July 1. To enroll full-time at Southwestern College in the spring semester, the student must have a complete application file in the Office of Admission by December 1.

A complete application file includes:

1. application form
2. other requirements as listed under the international student category.

Students accepted for fall term must turn in all housing and health forms by August 1. To receive priority housing assignments, the housing form must be received by May 1.

## For More Information

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For necessary admission forms or more information, students should write, call, fax, or e-mail:

Office of Admission  
Southwestern College  
100 College St.  
Winfield, KS 67156-2499  
Phone: (620) 229-6236 or (800) 846-1543  
Fax: (620) 229-6344  
E-mail: [scadmit@sckans.edu](mailto:scadmit@sckans.edu)

# Student Life

The student life office at Southwestern supports the total mission of the school. Each part of the student life department works together in an attempt to care and support each student in a holistic way.

## Campus Life

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The Office of Campus Life is an integral component of student life that includes Student Government Association, Student Foundation, and Freshman Class Council. Campus life is dedicated to the intellectual, physical, spiritual, and social growth of students. To complement the academic experience, a wide variety of campus activities are available. Educational, diversity, recreational, and social activities are sponsored by student organizations and the college. Artist and lecture series bring to the campus a wide variety of cultural and informative programs. Many of the performers and speakers are of international prominence and serve to enrich the Southwestern and Winfield communities.

The office provides a number of opportunities for students to become involved in the college from the day of admittance to the day of Commencement. With more than 20 active student organizations, numerous traditional events, special involvement programs, and entertainment activities, each student has ample opportunity to become involved in campus life. For more information, contact the Office of Campus Life at ext. 6168.

## College Regulations

All students are expected to follow the rules and regulations of Southwestern College including those published in the catalog and posted on the Web at [sckans.edu/policy](http://sckans.edu/policy). Enrollment in the college will be interpreted by the college as the student's acceptance of the college rules and regulations. Therefore, all students have a responsibility to be familiar with the documents mentioned above and any others which may be promulgated. Actions or behavior inconsistent with the Christian and academic traditions of the institution or unacceptable to the established community standards may result in suspension or expulsion. Enrollment at Southwestern College is interpreted by the institution to have both academic and social/behavioral implications. Students will be responsible, respect community rules (both campus and municipal), and recognize the rights of others.

## Residential Campus

All full-time students are required to live on campus except those who are married, veterans, 20 years old or older and have reached junior status, or live with their parents or legal guardians.

One large dining room, a snack bar, book store, and mail center, located in the Student Center, serve all Southwestern students.

Students who live on campus are required to purchase a meal plan except for those residing in Honor or Warren apartments. Students living in Warren or Honor may purchase \$400 in flex meal dollars instead of a meal plan.

Rooms for new students are assigned by the director of housing during the summer. The college reserves the right to make changes in room assignments and living accommodations.

One- and two-bedroom apartments are available as well as residence halls with suites consisting of two rooms and a common bathroom. One residence hall offers a private bath for each room. All residences are air conditioned and have connections for telephone, satellite television, and the Internet.

## Career Planning

The Office of Career Planning offers services to all main-campus students. Assistance with resume writing, interviewing, and career strategizing is available on an individual basis and in

workshops. The career planning resource library contains books that provide resume tips, interest assessments, as well as information on many specific career titles. Information about job openings, graduate schools, internships, and study abroad programs are also housed in the career planning library. Education majors may establish credential files through The Dole Center for Teaching Education. The credential file is a permanent record that includes a summary of professional experience, academic qualifications, and recommendations. Students wishing to establish a credential file pay an initial fee plus established fees for sending credentials in future years.

### **Health Promotion**

Health screenings are scheduled periodically, and health consultations are available from the college nurse during office hours. College students face a variety of personal, academic, and social problems. To help with this aspect of student development, Southwestern offers counseling referrals through student life personnel.

### **Campus Ministry**

Southwestern College is related by covenant to the United Methodist Church. At the same time, the presence of students and faculty affiliated with other denominations lends diversity and richness to campus life.

Numerous opportunities exist for students, faculty, and staff to share in worship, community service, and Christian fellowship. Campus religious activities include weekly chapel, mission trips, worship team, Bible studies, and lectures.

In accordance with its Wesleyan heritage, Southwestern promotes intellectual growth alongside personal spiritual development. The Christian faith community seeks to provide an active and visible presence on campus.

### **Learning Center**

The Learning Center facilitates the academic success of Southwestern students by offering supplemental instructive support, such as providing peer tutoring, computer assisted learning, workshops/seminars, and supplemental learning, as well as serving as a reporting center for academic difficulty.

## **Activity Program**

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Student organizations are formed to meet the social, academic, and service needs of the students. These give the incentive and opportunity for student leadership and interaction. More than twenty social and service organizations are registered on campus. Many of these are related to specific academic areas such as science, education, radio, and social science. The purpose of student organizations is to increase campus enjoyment for the student and for enriching the total educational experience.

### **Student Government Association**

The objective of student government is to involve the student directly in addressing campus concerns and policy. The Student Government Association is the main student governing body and concerns itself with all phases of campus life. Representatives from the student body, appointed by the SGA, hold positions on a wide variety of committees throughout the institution. SGA maintains its own budget and allocates fees to worthwhile campus projects.

### **Student Foundation**

The Student Foundation is responsible to the student body to direct and plan programs that provide a wide range of connection opportunities for students. Specifically, programs of the Student Foundation encourage enthusiasm and support for Southwestern College and are directed toward three major areas: traditions, activities, and student recruitment.

## Academic and Honorary Societies

Southwestern has active chapters in three national honor societies. Membership in these organizations is in recognition of good scholarship and effective participation in the respective fields. Beta Beta Beta is for biology majors. Pi Kappa Delta is a national debate fraternity. Pi Gamma Mu is an international honor fraternity for students of social science.

Each year, those seniors who have been academically outstanding in college are honored by being named members of the Order of the Mound. Ten percent of the graduating class may be named.

Transfer students must complete at least 60 semester hours on campus in order to receive consideration.

The Masterbuilder Award is the highest honor students can confer upon a senior. Seniors who best typify “the spirit of Southwestern” are chosen in a process that involves nomination by SGA, affirmation by the faculty, and a general student election prior to Commencement.

Southwestern College also elects members to *Who’s Who Among Students in American Universities and Colleges*. Selection of no more than 10 percent of the senior class is based upon total leadership, including scholarship, campus activities, contribution to college life, and future promise.

## Athletics

The athletic program at Southwestern is a part of the educational program. As such, its purposes are: (1) to improve the participants as persons by inculcating the ideals of good sportsmanship, good health, disciplined living, and team play, (2) to enrich the total experience of the entire student body, (3) to provide recreation, and (4) to provide laboratory experience for those planning professional work in physical education and recreation. The total athletic program should raise the morale, spirit, and tone of the campus life. To those ends the college maintains programs in club sports, intramural, and intercollegiate athletics. Southwestern College, whose athletic teams bear the name “Builders,” competes in the Kansas Collegiate Athletic Conference in basketball, football, golf, soccer, tennis, cross country, track, volleyball, and softball.

## Debate and Forensics

Debate has a long tradition at Southwestern. The college was a charter member of Pi Kappa Delta—the national debate fraternity—and the first intercollegiate tournament was hosted on this campus in the late 1920s. Debate and forensics are concerned with providing an experience in competitive advocacy and in the development of persuasive skills for students.

## Music

The Southwestern music department sponsors several organizations that are open to participation from the general campus community. These include the South Kansas Symphony at Southwestern College, SC Concert Band, SC Jazz Band, SC Big Band, A Cappella Choir, and several small vocal and instrumental ensembles. Any student may study voice or any instrument. Lessons are given privately or as a class at all levels of proficiency.

## Publications

Southwestern College supports two student-managed publications: *The Collegian*, the campus newspaper (published twice each month), and *The Moundbuilder*, the college yearbook. Interested students are encouraged to become involved on the staffs of these two publications.

## Radio/TV Station

The college owns and operates a 10-watt FM radio station, KSWC, in conjunction with the communication program. KSWC is designed to provide informative and entertaining listening for Southwestern students and the Winfield community. The college also produces student-run television programs for cable and internet broadcast.



## Service Learning

Service learning provides a collaborative cycle of study, action, and reflection for learning immersed in the mission of Southwestern College.

Three unique and complementary programs make up service learning at Southwestern:

**Discipleship Southwestern.** Discipleship Southwestern gives students the opportunity to study the Bible in a supportive group of fellow travelers and in a systematic way. Discipleship teams gain real confidence in knowing the Scriptures and applying them to daily life.

But the Christian faith is more than a series of devotional practices—worship on Sundays, Sunday school, youth group, etc. Christians realize that faith means service—giving time and physical effort to meet the needs of others. Discipleship Southwestern challenges students to make service a normal part of their lifestyle.

**Leadership Southwestern.** The Leadership Southwestern program is looking for students with academic strength, leadership experience, and a desire to answer the call to lead. Students selected for the leadership team will have the opportunity to learn and practice, and practice and learn.

Leadership classes involve the use of high-level communication skills and hard work which help students do quality work on their leadership projects. Leadership projects require students to perform at a level that exceeds their current ways of getting things done, making leadership classes essential. Team experiences and trips give members a creative arena for learning, making friends, broadening their world view, and being in service to others.

**Students in Free Enterprise (SIFE).** Southwestern College's entrepreneurship team recruits students from all majors who have interest in helping the greater community learn the concepts and benefits of entrepreneurship and the free market system. Entrepreneurship team members develop educational outreach projects for delivery to the greater community covering important topics such as business and professional ethics, personal fiscal fitness, free market economics, and entrepreneurship skills. These projects are delivered to the community in ways to generate the greatest and most far-reaching impact throughout the community. Team members may conduct workshops at schools and businesses, develop marketing plans for businesses, assist entrepreneurs in starting their own businesses, work with not-for-profits on expanding their clientele and service offerings, and many other service-oriented projects.

The entrepreneurship team is affiliated with SIFE (Students in Free Enterprise), an international not-for-profit organization promoting free enterprise principles on the campuses of more than 1,500 colleges and universities worldwide. This association allows Southwestern College's team members to travel and compete with other similar teams for prizes, trophies, and scholarship awards. Each competition also includes a career fair attended by organizations recruiting entrepreneurship graduates.

Students selected for the entrepreneurship team must have excellent organizational and communication skills, possess solid leadership abilities, and be interested in pursuing entrepreneurial ventures and in being of service to their communities beyond their college experience.

## Theatre

Three auditoriums—a proscenium stage, an arena theatre, and a recital hall—allow for a variety of productions at Southwestern. Since its organization in 1919, Campus Players has demanded proficiency in acting and production from its members. Numerous productions ranging from the classic to the modern provide ample opportunity for participation. An academic approach to dramatic theory and literature complements the practical approach to production techniques. Students may also participate in oral interpretation with opportunities to participate in interpreters theatre and competitions.

# Charges and Fees

## Charges

Each student is charged tuition which covers approximately 45 percent of the cost of educational services provided by the college. The balance of the cost is met by income from endowment and by gifts from alumni, trustees, churches, and friends of the college who are willing to help support the kind of education Southwestern provides. A substantial financial aid program also assists and encourages students.

Full-time undergraduate students on campus are assessed these charges for 2007-08:

	<b>Term</b>	<b>Year</b>
Tuition	\$8,860	\$17,720
Activity Fund	50	100
Board (all meals)	1,556	3,112
Room (base rate, double room)	1,255	2,510
<b>TOTAL</b>	<b>11,721</b>	<b>23,442</b>
Average cost of books and supplies	\$300	\$600

Tuition costs are firm. Fees, board, and room may vary because of economic conditions. Room rates are higher for suites, private rooms, and apartments.

All charges assessed by the college (tuition, fees, board, room) are due and payable at the beginning of the fall and spring terms.

Tuition includes 12 to 16 hours in undergraduate, campus-based courses. When a full-time student is enrolled in more than 16 hours, an overload charge is made for the additional hours.

Beyond the 16 hours covered by full-time tuition, two additional hours may be scheduled without additional charge when selected from the following: music ensembles, choir, band, journalism, discussion, broadcast, digital media experience courses, Discipleship Southwestern, SIFE, and theatre participation courses, all when taken for one hour credit and for S/U grade.

A portion of tuition supports the student center and the health service, each of which is available to full-time students without further charge. Additional fees are charged for student activities, special programs, overload hours, music lessons, and labs.

Students taking fewer than 12 hours in the fall or spring terms are classified as part-time students and pay tuition at the rate shown below.

Students enrolled in main campus education and nursing programs may elect to enroll in required courses offered through the Professional Studies program. Students will be charged main campus tuition rates for those courses.

### Special Tuition Charges

The following special charges apply to undergraduate programs on campus. For graduate programs or programs offered by Professional Studies, see separate announcements. Each charge is shown per credit hour.

Overload (above 16 hours)	\$300
Summer school	300
Continuing education	300
Part-time (under 12 hours)	738
CCCC special	95
Audit (no college credit)	95
Advanced placement scholar (HS)	65

Validation of credit	100
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### Special Fees

Laptop computer fee per term (when elected by part-time student)	\$493
Practice teaching fee	150
Science lab fee	50
Nursing program fee	250
Private music/dance fee per credit hour	175
Prior learning evaluation	850
Enrollment maintenance (study abroad, per term)	150
Transcript fee, per copy faxed, per copy	7 10
Replace ID card	10

### Special Tuition Programs

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Some students may qualify for special programs offered at reduced tuition rates. These rates are subject to specific restrictions. Enrollment must be in regularly scheduled undergraduate classes (not independent studies, practicums, or similarly-styled courses) offered on the main campus. Special-rate students are welcome provided space is available and course prerequisites are met, and provided a sufficient number of regular students are enrolled. Appropriate fees may be charged where applicable. Special rates do not apply to summer term courses. Individuals qualifying for special rates include the following.

**Senior Citizens.** Residents of Cowley County who are 65 years or older may take courses free of tuition charges provided space is available and course prerequisites are met.

**Advanced Placement Scholars.** High school seniors may enroll in up to six hours each semester if permission is granted by the high school principal or counselor.

**Cowley County Community College Students.** Full-time students at Cowley County Community College may concurrently enroll in one Southwestern course if permission is granted by the CCCC academic dean.

**Continuing Education Students.** A continuing education rate is available for any student who is 25 years of age or older, has not been a full-time student anywhere during the previous two years, is enrolling for six or fewer credits (including audit hours), and has not earned more than 10 credit hours under this plan.

### Payment Plans

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Normal financial arrangements call for students to pay in full on or before registration. This payment is based on the amount due after deduction is made for scholarships, loans, and grants. No deduction is made for campus employment or Federal Work Study at this time.

If necessary, students may pay in installments with a minimum of one-fifth of the total charges (excluding book charges) due for the semester at registration. The balance of the account is due in equal installments by the fifteenth of each of the subsequent four months (September, October, November, and December for the fall term, and February, March, April, and May for the spring term).

If a student's account balance remains above \$5,000 on October 1 in the fall semester, or March 1 in the spring semester, the student will not be allowed to make bookstore charges, cash checks, or to select courses, or reserve on-campus housing for the approaching term until the account is current. At the end of a semester, students who have not made on-time, monthly payments will be required to surrender their residence hall key, laptop, and student

ID card following their final exams. Failure to turn in the laptop by the required date will result in the laptop being reported stolen. Exceptions must be requested in advance from the business office. Students cannot register for a subsequent semester while a previous balance remains on the account.

A monthly finance charge of 1.5 percent (annual rate, 18 percent) with a minimum of \$1 is assessed on the unpaid balance of an account. The finance charge will be waived if on-time payment is received based on an agreed-to payment plan.

Transcript service is available when a student's account is paid to date.

## Cancellation of Charges

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Students who officially withdraw from college may be eligible for some cancellation of charges. To withdraw, give notice in person at the college services counter.

In fall or spring terms, tuition, fees, room, and board are cancelled according to the following schedule:

<b>Period</b>	<b>Amount Cancelled</b>
First 8 class days	90%
To end of 2nd week	80%
To end of 4th week	70%
To end of 6th week	60%
To end of 8th week	50%
To last day to withdraw	40%
Later	No cancellation

During a summer term, each day of class counts as equivalent to a week in regular term. For classes that last one week or less, regardless of term, no cancellation is possible once the class begins.

Students who move out of residence halls during the semester but do not withdraw from classes are eligible for a pro-rata cancellation of board charges if they elect to discontinue a meal plan. No cancellation is made for residence hall charges.

The schedule above describes cancellation policy for programs on the main campus. For Professional Studies programs, see the Professional Studies catalog.

## Cancellation of Financial Aid

Withdrawing students who have received financial aid are required to return a portion of their aid to those sources that assisted in enrollment.

For federal aid, a calculation is made of "earned" and "unearned" aid based on the days of attendance. Unearned aid is returned first to loans (in this order: unsubsidized, subsidized, Perkins, PLUS), then to a Pell grant, SEOG, and other Title IV programs.

For Southwestern aid, the amount returned is the same percentage as the amount of charges cancelled.

For state and other aid, all funds are usable until the student's account balance reaches zero. Any excess is returned.

## Refunds

After calculation of charges cancelled and financial aid cancelled, any excess remaining on the account is refundable to the student.

## Change from Full-Time to Part-Time Status

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Students who enroll for full-time study but then officially drop one or more courses during the enrollment period are eligible for a cancellation if the number of hours dropped changes the student's enrollment status to part-time. If the student elects to continue using the school-issued laptop, the \$493 laptop fee will be charged. No adjustment is made for students

who withdraw from some but not all courses after the enrollment period has ended; these students continue to be classified as full-time students.

## **Room Deposits**

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All resident students are required to make and maintain a \$150 room deposit. Against this deposit damages will be charged as described by the housing policies of the college. The room deposit remains permanently on account until the student withdraws from college, graduates, or is given permission to move off campus, at which time a refund may be requested. When no refund is requested within one year, the account is cleared.

If a student requests a room for a forthcoming term and then cancels that reservation, a penalty of \$50, \$100, or \$150 may be assessed against the room deposit. The \$50 penalty is charged for cancellations occurring later than June 15 for fall term and January 1 for spring term. The \$100 penalty is charged for cancellations occurring later than July 31 for fall term. After residence halls open for fall or spring term, a \$150 penalty is charged students who cancel their reservations before moving in. Students who move in and then decide to leave are charged the full room rate, but the room deposit is refundable.

# Financial Aid

The financial aid program assists students who want to attend Southwestern College but would find it difficult to do so without financial aid. Southwestern also recognizes students with superior ability and academic achievement by awarding scholarships regardless of financial need. A full description of all Southwestern College financial aid programs and regulations can be found on the financial aid Web site [www.sckans.edu/financialaid](http://www.sckans.edu/financialaid).

A comprehensive assistance program of scholarships, grants, campus employment, and loans is available through funds from Southwestern College, the State of Kansas, and the federal government. If a student demonstrates financial need, an award will be offered which combines these types of aid. Financial need is defined as the difference between the total cost to attend Southwestern College and the amount the student and family can pay, based upon family income and assets.

## How to Apply for Financial Aid

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Before financial aid can be awarded, students must have been granted admission to Southwestern. These steps should be followed to apply for financial aid:

1. The student should complete the confidential Free Application for Federal Student Aid (FAFSA), indicating Southwestern College on the form. Application forms may be obtained from school counselors or the Office of Financial Aid. Priority application receipt date for financial aid for all returning students is April 1.
2. To guarantee Southwestern financial aid, all returning students' financial aid files must be completed by April 1. A complete file consists of results from the FAFSA and student data form. If a student's application is selected for verification, income tax forms, W-2s, and a verification worksheet will be required. If the family knows there will be no eligibility for federal or state grants and will not need student loans, the student may sign the federal aid waiver on the data form in lieu of completing the FAFSA.

A complete file consists of results from the FAFSA and student data form. If a student's application is selected for verification, income tax forms, W-2s, and a verification worksheet will be required. If the family knows there will be no eligibility for federal or state grants and will not need student loans, the student may sign the federal aid waiver on the data form in lieu of completing the FAFSA.

## Financial Aid Regulations

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The following regulations govern all scholarships and grants:

1. Scholarships and college grants are awarded on the basis of accomplishment and participation.
2. Scholarships and grants are renewable each year provided the student completes their annual financial aid file by the April 1 deadline.
3. Southwestern College must adjust the financial aid awards of students who withdraw prior to the end of the semester or who drop to less than full-time status during an enrollment period. Awards are adjusted according to the college's policies on cancellations and refunds.
4. For students receiving state or federal aid, Southwestern College is required by law not to offer institutional aid that would exceed the financial need of the student.
5. One-half of any financial aid awarded is credited to the student's account each regular semester.
6. Students who lose institutional scholarships or grants as a result of their cumulative grade point average may request reconsideration of that award at the end of the

semester in which the cumulative grade point average has improved to a satisfactory level.

7. Southwestern scholarships and grants are available only to full-time students whose GPA is 2.0 or better.
8. Institutional aid for undergraduate students may not exceed 10 semesters.
9. Students in the professional studies and graduate programs are not eligible for institutional aid.

**Satisfactory Academic Progress.** Southwestern College is required by federal regulations to establish satisfactory academic progress for financial aid recipients. These standards ensure that only those students demonstrating satisfactory progress toward the completion of their educational programs will continue to receive financial aid. Southwestern College's policy measures a student's performance in the following three areas: 1) successful completion of courses (credit hours) 2) cumulative grade point average (GPA), and 3) maximum time to degree.

**Completion of Courses.** At the end of each fall and spring semester, student progress will be measured by comparing the number of attempted credit hours with the number of earned credit hours (i.e., receipt of a grade of A, B, C, D, or S). In any given year, students must have earned at least 70 percent of the credits they attempted to remain in good standing. The following letter grades do not count toward attempted hours, but do count toward the completion of earned hours: AU-Audit, F – Failure, I – Incomplete, WD – Withdrawal.

**Grade Point Average.** Students whose work is below the levels shown in the academic suspension chart are failing to make minimum progress toward their degree (see Academic Policies).

**Maximum Time Allowed to Complete a Degree.** Undergraduate students are eligible to receive federal and state financial aid up to 186 attempted credit hours. Graduate students are eligible to receive federal and state financial aid up to 54 attempted credit hours. Once a student has exceeded the maximum attempted hours, all financial aid will be suspended for subsequent terms.

**Financial Aid Probation/Suspension.** At the end of the fall and spring semesters, all aid recipients will be evaluated for satisfactory academic progress. Financial aid recipients who do not meet one of the three requirements for progress will be placed on financial aid probation for one semester. A student on financial aid probation is still eligible to receive financial aid for the next semester of attendance. However, if the student does not meet the conditions imposed upon them during the probationary period, the student will be placed on financial aid suspension. Suspension prevents the student from receiving any federal, state or institutional financial assistance for future semesters until such time as the student again meets all three satisfactory academic progress standards.

**Conditions for Reinstatement.** Students may appeal their financial aid suspension by submitting an appeal form to the financial aid office for consideration by the enrollment management team. Appeal forms may be picked up from the financial aid office in person or via e-mail.

Some circumstances, such as medical problems, illness, death in the family, relocation, or employment changes can be considered for an appeal. The committee will review the appeal and contact the student by a specified date. The committee's decision is considered final and may not be appealed further.

This policy does not preclude a student from enrolling in subsequent semesters. Students may have their financial aid reinstated and may be removed from suspension or probationary status once all satisfactory academic progress standards and/or probationary conditions are met.

## Southwestern Grants and Scholarships

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Southwestern College offers a variety of grants and scholarships to full-time, undergraduate students attending classes on the main campus who qualify. Students may receive a combination of academic, activity, and any of the other grants for which they are eligible. Students choosing to live off campus will have their Southwestern aid reduced.

### Academic Scholarships

Southwestern College awards are based on a combination of a student's academic record, ACT or SAT scores, demonstrated leadership, and the student's financial need. The amount of these awards varies. A 2.00 cumulative GPA is required for renewal.

### Special Academic Scholarships

Southwestern College's most prestigious scholarships are those awarded on the basis of special nomination or competition. These scholarships are renewable for a total of 10 semesters, as long as the student is continuously enrolled each fall and spring term, and maintains a cumulative GPA of at least 3.2.

**Presidential Scholarships:** These scholarships are awarded to incoming freshmen who have at least a 3.75 cumulative GPA and at least a 26 composite on their ACT score or its equivalent on the SAT. The award is for \$6,500 and is available to students who apply to the college by March 1. Recipients must live on campus to receive the full scholarship award.

**Dixon Scholarship:** The Dixon Scholarship is designed to promote on-campus diversity and to assist in providing a college education for students from varied experiences, backgrounds, and cultures. The award is for \$6,500 and recipients are determined by the Office of Admission. Recipients must live on campus to receive the full scholarship.

**Phi Theta Kappa Scholarships:** These scholarships of \$5,500 are awarded to transfer students who are members of Phi Theta Kappa. Recipients must live on campus to receive the full scholarship.

### Premier Scholarships

The three following scholarships are awarded to incoming freshmen following competitions held each spring. The amount of the award is \$12,000 and is offered in lieu of any other Southwestern grant or scholarship. Recipients must live on campus to receive a premier scholarship and must be endorsed by the selection committee for renewal.

**Mastin Scholarship:** The Mastin Scholarship is awarded to a student who demonstrates academic achievement in the sciences, has an ACT composite score of at least 27, and will pursue a degree in any of the natural sciences or mathematics.

**Beech Scholarship:** The Beech Scholarship is awarded to a student who has achieved personal and academic excellence in high school, has attained a minimum 3.75 GPA in high school and an ACT composite score of at least 26, and will pursue a degree in any professional or liberal arts field.

**McNeish Scholarship:** The McNeish Scholarship is awarded to a student who has achieved excellence in the performing arts, has attained a minimum 3.5 GPA in high school and an ACT composite score of at least 24, and will pursue a degree in any of the performing arts.

### Grants

**Management Grants:** Students selected as SHARP Ambassadors or elected or appointed to positions of responsibility in campus organizations such as Student Foundation, SGA, or the newspaper or yearbook staffs, receive grants in recognition of these responsibilities.

**Roy L. Smith Church Matching Scholarships:** This is a matching scholarship program between Southwestern College and any local church. Southwestern College will contribute on a matching basis up to \$1,000 per year (\$500 each semester) to the education of any Southwestern student sponsored by a local church. The assignment of this scholarship is made



without regard to the religious denomination of the participating church and is renewable. To receive the matching funds, the funds from the local church must be received in the Office of Financial Aid by September 1.

**Trustee Grants:** When an employee has worked full time at Southwestern for at least two years, trustee grants to cover a substantial part of tuition are available for that employee's spouse and unmarried dependent children if they enroll as undergraduate students at the college.

## Federal Aid

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### Federal Grants

**Federal Pell Grants:** This federal program provides nonrepayable grants of up to \$4,350 to students who are eligible as determined by the Free Application for Federal Student Aid. The result of the application is used by the financial aid office to determine the amount of the Federal Pell Grant to be awarded. Students wishing to apply for any other federal aid programs are required to apply for a Pell Grant first.

**Federal Supplemental Educational Opportunity Grants (FSEOG):** This federal grant program provides funds for students with the highest financial need. Priority is given to students who are eligible for a Federal Pell Grant. The minimum grant award is \$100; the maximum possible is \$4,000.

**Federal Academic Competitiveness Grant (ACG):** This federal grant program provides funds for students who have taken a rigorous high school program of study. To receive the grant, students must also qualify for Pell Grant. During the student's first year of college, the grant is for \$700. The grant is renewable provided the student receives a 3.0 cumulative GPA during their first year.

**Federal Science and Mathematics Access to Retain Talent Grant (SMART):** This federal grant program provides funds for eligible students in their third and fourth years of college who are majoring in physical, life or computer science, engineering, mathematics, technology, or a critical foreign language. To receive the \$4,000 grant, students must also qualify for Pell Grant and maintain at least a 3.0 cumulative GPA.

### Federal Loans

The federal program offers a variety of student loans. The student is under full obligation to repay the loans.

**Federal Subsidized Stafford/Direct Loans:** Subsidized loans are for students demonstrating financial need. The federal government pays the interest for the student while the student is enrolled and during the six month grace period after graduation. Maximums vary, according to the student's grade level.

**Federal Unsubsidized Stafford/Direct Loans:** Unsubsidized loans are available to students who do not demonstrate financial need. It is the same as the Subsidized Stafford Loan except the student is responsible for the interest while enrolled and during the six month grace period.

**Federal Perkins Loans:** The Perkins Loan is intended for the students with the highest need. It is subsidized by the federal government while the student is enrolled and during the nine month grace period after graduation.

**Federal Parent Loan for Undergraduate Students (PLUS):** The PLUS loan is for the parents of a dependent student who may need additional resources. Repayment begins immediately after the disbursement of the loan.

## State of Kansas

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The State of Kansas offers several scholarships to Kansas residents. They include the Kansas Comprehensive Grant, the Kansas State Scholarship, the Kansas Minority Scholarship, the

Kansas Teachers Scholarship, and the Kansas Nursing Scholarship. Each scholarship has its own criteria and application procedures. Ask the financial aid office for current information.

## Additional Aid

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**United Methodist Church Scholarships:** Several scholarships are available through the United Methodist Church for students who are members. Information and applications are available in the Financial Aid Office.

**United Methodist Student Loans:** These loans are available to students who are members, and have been for at least one year, of a United Methodist Church. Information and applications are available in the financial aid office.

**Civic and Business Scholarships:** In many local communities there are scholarships provided each year by various civic and business organizations to children, citizens, and employees.

**Veterans Administration:** VA benefits are available to students who are in the reserves, who are veterans, or who are dependents of veterans. Information is available in the financial aid office or from your local Veterans Administration office.

**Internet Resources:** Southwestern receives notifications of several different scholarships from time to time. This information is kept updated on the school's Web site. Southwestern provides an internet link to [fastweb.com](http://fastweb.com) which provides a scholarship search along with general financial aid information. Other helpful, informational Web sites include [www.ed.gov/studentaid](http://www.ed.gov/studentaid); [www.nasfaa.org](http://www.nasfaa.org); [www.finaid.org](http://www.finaid.org).

**State Assistance:** Students from states other than Kansas should contact the financial aid office for their state. It can be the case that state assistance is available and can be transferred. Contact the financial aid office for information.

**BIA:** The Bureau of Indian Affairs provides grants for students who are at least one-fourth American Indian, Eskimo, or Aleut as defined by the bureau. The amount of the grant is based on financial need and availability of funds from the area agency. Students must submit a BIA application for financial aid and supportive documents. Close contact should be kept with the BIA agency to insure that the student has completed everything required. A student who is a member of a tribe should also contact the tribal office for any scholarships available.

## Student Employment

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Student employment is available through the Federal College Work Study program to students who demonstrate financial need and wish to work part time. Other student employment is available on a limited basis to students who do not qualify for Federal College Work Study.

## Aid for Study Abroad

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Southwestern students may be able to continue receiving some forms of financial aid while studying abroad. State and federal scholarships, grants, and loans are normally available for legitimate study away from campus. Southwestern scholarships can also be continued with limitations.

The limitations are these: Southwestern scholarships and grants are only available to five students each semester who have their programs approved by the dean's office at least one semester prior to the study abroad experience. In choosing the five students, financial need will be taken into consideration. For those five students, Southwestern academic and need-based aid will be reduced as if the student were moving off campus. Mastin, Beech, and McNeish scholarships are reduced to \$5,000. Scholarships awarded for on-campus activity participation (moundbuilder, leadership, sports, etc.) will be discontinued for the period that the student is

studying abroad. Additionally, if a student is receiving scholarships from the school being visited, or from programs established to encourage study abroad, Southwestern reserves the right to adjust its aid based on the amount being received from those sources.

## Aid for International Students

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Southwestern offers two scholarship programs for international students.

**Bishop's Scholarships:** Bishop's Scholarships are in the amount of \$7,000-\$9,000 annually depending on a student's financial need. These are renewable for up to four years as long as the student maintains a GPA of 2.0 or better. Each year the director of admission awards up to five Bishop's Scholarships. Persons seeking this scholarship must submit a letter of recommendation from the Methodist bishop of their country or from Southwestern College's bishop in residence. Final selection and approval for this scholarship is made by the director of admission. Recommended students must show a TOEFL score of 550 or better. Recipients must live on campus and will not be eligible for further Southwestern financial aid.

**International Student Scholarships:** International Student Scholarships are for \$4,500 annually and are renewable for up to four years, as long as the student maintains a GPA of 2.0 or better. Students wishing to receive this scholarship must show a TOEFL score of at least 550 on the written test or a score of at least 80 on the TOEFL ibt before admission. These scholarships are offered in lieu of an academic scholarship. International students who participate in Southwestern's activity areas may also receive grants from those programs, or receive other grants for which they are eligible. The international grant does not require students to live on campus.

## For More Information

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For application forms or more information concerning any of the financial aid programs described in this section, please write or call:

Office of Financial Aid  
Southwestern College  
100 College  
Winfield, Kansas 67156-2499  
Phone: (620) 229-6215 or (800) 846-1543  
E-mail: [finaid@sckans.edu](mailto:finaid@sckans.edu)

# Campus Facilities

## Christy Administration Building

Christy Administration Building houses administrative offices; English, foreign language, speech, computer science and digital arts, and communication departments; classrooms; 700-seat Richardson Auditorium; Helen Graham Little Theatre; campus radio and television studios, and the computer information center.

## Memorial Library

The Memorial Library is composed of both a physical facility and a virtual library. The virtual library contains over 12,000 electronic books and more than 19,000 full text journal subscriptions. The virtual library is linked to the library Web page and is accessible to all members of the Southwestern College community. Off campus access to the virtual library requires log-in with a Southwestern College ID number, but on-campus access is automatic.

The physical library is located on the main campus in Winfield and contains 60,000 academic volumes, leisure reading magazines, and a media collection of 5,000 DVDs, CDs, and VHS tapes.

A lively inter-institutional library exchange with over 3,200 universities, colleges, and research libraries throughout the US provides access to millions of additional books, media, and journals. All items, both electronic and physical, are listed in the “World Cat” database, our local online card catalog (OPAC), and the Kansas Libraries card catalog.

Conference room facilities for meetings are available. Also located in the facility are the Center for Academic Technology, the Education Library, Parents as First Teachers, and the meeting rooms for Students in Free Enterprise (SIFE).

## Wroten Hall

Wroten includes a large classroom/multipurpose room and offices of the Institute for Discipleship.

## Beech Science Center

Beech Science Center and Mabee Laboratory Complex includes an undergraduate research lab, two introductory biology labs, a cellular biology lab, general and organic chemistry labs, introductory and advanced physics labs, a lecture hall, conference room, library, science education room, and offices for faculty and the science center receptionist. The building, completed in 1998, is west of and linked to Mossman Hall.

## Mossman Hall

Remodeled in 2002, Mossman houses the social science, business, nursing, philosophy and religion, and leadership programs. Educational spaces include labs, classrooms, and study areas. Faculty offices for the departments are also included.

## Darbeth Fine Arts Center

Music, theatre, and art are housed in this complex that includes Messenger Recital Hall, studios, President’s Gallery, rehearsal halls, classrooms, offices, and practice rooms. Chapel is held in Messenger Recital Hall.

## Dole Center for Teacher Education

The home of Southwestern’s teacher education program, this facility is located across College Street from the main campus. It includes offices, a classroom, and a resource room in the main facility, and a preschool laboratory (Little Builders Preschool) in an adjoining mobile building.

## Stewart Field House

The home of countless basketball and volleyball games since 1924, Stewart is the college’s second oldest building and the oldest fieldhouse west of the Mississippi still used for its original

purpose. The facility houses an indoor arena, athletic offices, locker rooms, weight and training rooms, and concession stand. A renovation completed in 1998 provided a new entry to the south, the replacement of all windows (including a memorial stained glass window), a new arena floor and bleachers, and renovated locker rooms.

### **Frank A. White Physical Education Building**

Constructed in 1968, this building houses a swimming pool, a small gymnasium, offices, and classrooms.

### **Sonner Stadium**

These facilities for football and track include seating for 3,000 spectators. Monypeny Track, Kahler Field, and Caywood Special Events Area are a part of this complex. A soccer field is located east of the stadium, as is the football practice field. The Hower/Cooper Tennis Courts are nearby, adjacent to Sutton Center.

### **Roy L. Smith Student Center**

The student center has a cafeteria and snack bar, the bookstore, campus mail center, offices for student organizations, and meeting rooms.

### **Welcome Center (Strohl House)**

Located at the foot of the 77 Steps, the welcome center houses the Office of Admission and is used for receptions and other festive events.

### **Residence Halls**

Living options include four residence halls and four apartment buildings on campus. Sutton, Wallingford, Broadhurst, and Cole halls are traditional residence halls. Shriwise, Honor, Reid, and Warren Avenue apartments house from one to four students in each unit. All campus housing is air conditioned and provides phone, cable, and computer network hookups for each student, as well as wireless internet access.

### **Ruth Warren Abbott Laboratories (Greenhouses)**

Built in 1971 to serve as a classroom for courses in floriculture, the original greenhouse was expanded in 1996.

### **Dixon Operations Center**

This 1977 building houses offices, workshops, and storage for the plant operations staff as well as a dispatching center for the custodial crew and campus security.

### **Professional Studies Centers**

Southwestern's degree completion programs are housed off campus in downtown Winfield, in six additional locations in three states.

# Rosters

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 Stephen W. Rankin, Ph.D., Campus Minister  
 Sheleah Taylor, M.Ed., Director of Campus Life

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 Karen Cannady, B.S., Academic Program Representative  
 Kyle Coulter, B.S., Program Representative  
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 Marie B. Greene, M.S.Ed., Academic Advisor  
 Seth Kastle, B.S., Academic Advisor  
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 Rachel Schmeidler, B.S., Program Representative  
 Christopher T. Smith, B.S., Coordinator of GoArmyEd and eArmyU  
 Vanessa Smith, B.A. Program Representative  
 Amy Hong Yan, M.S., Information and Instructional Technology



## Faculty and Staff

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- Ashlee E. Alley, 2005.** Director, Youth Ministries. Coordinator, Discipleship Southwestern. B.A. Southwestern College.
- Jennifer Atkinson, 2006.** Program Representative, Professional Studies, B.S.E., University of Arkansas.
- Richard E. Barnes, 1967.** Associate Professor of Management and Economics. B.A., University of Texas at Arlington; M.A., Texas Christian University
- Terry A. Barnett, 1988.** Professor of Chemistry. Oncley Professor of Chemistry. Chair, Chemistry Department. B.S., M.S., Ph.D., New Mexico State University.
- Amanda Beadle, 2006.** Head Athletic Trainer. B.S., Southwestern College.
- Paul M. Bean, 1999.** Vice President for Institutional Advancement. B.A., Southwestern College; MBA, Baker University.
- Linda M. Benson, 2002.** Admission Counselor. B.S., Fort Hays State University
- Jackie L. Berryman, 1993.** Associate Professor of Nursing. B.S.N., Southwestern College; M.S.N., Wichita State University.
- Richard Allen Bicker, 1990.** Associate Professor of Education. Elementary Education Coordinator. Director of Student Teaching. B.S.Ed., M.A., Concordia Teachers College.
- Michelle E. Boucher, 1993.** Associate Professor of English. Director of General Studies. B.A., Southwestern College; M.A., Southwestern Oklahoma State University.
- Troy Boucher, 1968.** Professor of English. B.A., Southwestern Oklahoma State University; M.A., Northwestern Oklahoma State University; M.F.A., Wichita State University.
- Dana Bradbury, 2005.** Program Representative, Professional Studies. B.S. Kansas State University.
- Lisa L. Braun, 2001.** Assistant Professor of Athletic Training. B.S., Southwestern College; M.S., Wichita State University.
- Mary Bulla, 2004.** Director of Organizational Partnerships, Professional Studies. B.A., Wichita State University; M.S.Ed., Newman University.
- Linda Bussman, 2005.** Director of Enrollment Management, Professional Studies. B.S. Fort Hays State University; MBA, University of Phoenix.
- Martha R. Butler, 1986.** Professor of Nursing, Chair of Nursing Division, Director of Nursing Program. B.S.N., M.N., Wichita State University; Ph.D., Texas Woman's University.
- Aimee J. Campbell, 2005.** Financial Aid Counselor. B.S. University of Kansas.
- Karen Cannady, 2000.** Academic Program Representative. B.S., Southwestern College.
- Lai-L C. Clemons, 2006.** Admission Counselor. B.A., Kansas State University.
- Jodi R. Combs, 2000.** Campus Visit and Recruitment Coordinator. B.A., Kansas State University.
- Kyle Coulter, 2007.** Program Representative, Professional Studies. B.S., University of New Mexico.
- Richard J. Cowlshaw, 2002.** Assistant Professor of Biology. B.S., Oregon State University; Ph.D., University of Oregon.
- Ken Crandall, 2007.** Head Football Coach. B.A., Fort Hays State University; M.S. Pittsburg State University.
- Melinda Current, 2004.** Assistant Professor of Nursing. B.S. Southwestern College; M.S.N., Wichita State University.

- Daniel F. Daniel, 1970.** Professor of English. B.A., Berea College; M.A. University of Chicago; Ph.D. University of Wisconsin; post-doctoral studies, University of Kansas.
- William D. DeArmond, Jr., 1978.** Professor of Mass Communications and Film. B.A., M.A., Western Kentucky University; Ph.D., Southern Illinois University.
- J. David Denly, Jr., 1996.** Head Women's Basketball Coach. Instructor in Physical Education and Sport Studies. B.A., Wartburg College; M.Ed. Wichita State University.
- David H. Dolsen, 1997.** Director of Purchasing. B.A., Southwestern College.
- Mary Beth Doornbos, 2006.** Education Program Representative, Professional Studies. B.S., University of Vermont; M.Ed., Wichita State University.
- Candyce F. Duggan, 1996.** Director of Special Programs, Professional Studies. B.A., M.A., Pittsburg State University.
- John Dupuy, 2005.** Assistant Professor of Accounting and Finance. Chair, Business Division. B.B.A., Lamar University; C.P.A.
- Dan Falk, 2005.** Associate Dean of Student Life. B.S., M.A., Friends University.
- Tracy H. Frederick, 1998.** Associate Professor of Speech. Advisor, Student Law Association. B.A., East Central University; M.A., Wichita State University.
- Robert F. Gallup, 1993.** Professor of Physics and Mathematics. Chair, Mathematics/Physics Department. B.S., California State University, Fresno; Ph.D., University of California, Davis.
- George Gangwere, 1980.** Professor of Physics. S.S., Southwest Missouri State University; M.S., Kansas State University; Ph.D., Oklahoma State University.
- David B. Gardner, 2003.** Assistant Professor of Music. Director of Choirs. B.A., Seattle Pacific University; M.A., Western Conservative Baptist Seminary; D.M.A., University of Arizona.
- Claudia G. Geer, 1995.** Associate Professor of Psychology, Chair, Psychology Department. B.A., M.A., California State University, Long Beach; Ph.D., University of California, Davis.
- Amber Good, 2004.** Head Softball Coach. B.Hum., St. Gregory's University; M.A., Union College.
- Leslie A. Grant, 1999.** Transfer Coordinator and International Admission Officer. B.S., Oklahoma State University.
- Robin R. Graves, 1988.** Associate Finance Officer. B.S., Mississippi College.
- Pamela E. Green, 2005.** Assistant Professor of Education. B.S., Kansas State University; M.S., Oklahoma State University; Ph.D., University of Kansas.
- Marie B. Greene, 2001.** Academic Advisor, Professional Studies. B.S., M.S.Ed., Central Missouri State University.
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- Gregg Hackertott, 2001.** Head Softball Coach. Assistant Men's Basketball Coach. B.S., M.S., Fort Hays State University.
- Douglas C. Hall, 1996.** Associate Professor of Physical Education/Sport Management. Head Men's Basketball Coach. B.A., Wartburg College; M.S., West Virginia University.
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- Michael Harper, 2007.** Assistant Professor of Philosophy. B.S., Indiana State University; M.A., Biola University.

**Darin R. Hart, 2005.** Laptop Program Manager.

**James K. Helmer, 1978.** Associate Professor of Physical Education. Chair, Physical Education Department. Head Cross Country Coach. Head Men's Track Coach. B.A., Southwestern College; M.Ed., Wichita State University.

**David M. Helsel, 2001.** Director of Safety and Security. B.S., Kansas State University; M.Ed., Wichita State University.

**Brenda D. Hicks, 1991.** Director of Financial Aid. B.A., Kansas State University; M.A., Wichita State University.

**Nancy J. Hinson, 1989.** Development Officer. B.L.S., Southwestern College.

**David R. Hofmeister, 2006.** Professor of Teacher Education. Director of Teacher Education. B.S., Kansas State University; M.A., Ed.D., University of Kansas.

**Jessica K. Hornbostel, 2004.** Annual Fund Manager. B.S., Kansas State University.

**Stephanie A. Humphries, 2003.** Admission Counselor. B.S., Portland State University; M.Ed., Southwestern College.

**Kenneth Charles Hunter, 1974.** Professor of Biology. Chair, Biology Department. B.A., Southwestern College; M.S., Ph.D., University of Oregon; post-doctoral studies, Oregon Institute of Marine Biology.

**R. Scott Ireland, 1997.** Network Administrator. B.S., Wichita State University.

**John Thomas Jacobs, 2002.** Professor of Computer Science and Communications. Chair, Computer Science and Communications Division.

**Ronnie D. Jenkins, 1993.** Director of Major Gifts. B.A., Baylor University.

**Jill M. Johnson, 2001.** Director of Development. B.S., Kansas State University; MBA, Southwestern College.

**Melanie Johnson, 2007.** Instructor of Nursing. B.Phil., BSN, Southwestern College.

**Dean W. Johnston, 2003.** Assistant Professor of Education. B.A., University of Minnesota; Ph.D., University of Texas, Austin.

**Jean-Gabriel Jolivet, 2006.** Assistant Professor of Political Science. M.A., Ph.D., Purdue University.

**Seth Kastle, 2006.** Academic Advisor, Professional Studies. B.S., Fort Hays State University.

**Heather Kaupa, 2007.** Military and Accounts Specialist, Professional Studies. B.A., Washington State University.

**Heather Kesterson, 2005.** Coordinator of Military Education, Professional Studies. B.S. Southern Illinois University; B.S., Park University; MBA, Southwestern College.

**Gary H. King, 1977.** Professor of Computer Science. B.A., Southwestern College; MBA, City University; Ph.D., Union Graduate School; C.D.P.

**Michael J. Kirkland, 1982.** Director of Athletics. Head Women's Track Coach. B.S., Southwestern College.

**Linda Kissire, 2006.** Program Representative, Professional Studies. B.S., Southwestern College.

**Krysti A. Koebele, 2007.** Payroll and Benefits Administrator. B.A., Southwestern College.

**Kelly Krahn, 2006.** Program Representative, Professional Studies. B.S., Southwestern College.

- Sheila R. Krug, 2001.** Vice President for Finance. B.B.A., M.P.A., Wichita State University.
- Ben Lim, 2007.** Vice President for Information Technology. B.B.A., MBA, Wichita State University.
- Edward A. Loeb, III, 2006.** Assistant Professor of Mathematics. B.A., Bethany College; M.S., University of Nebraska-Lincoln.
- Susan G. Lowe, 2000.** Director of Alumni Programs. B.Phil., Southwestern College.
- Nili Luo, 2006.** Professor of Early Childhood Education. B.A., Tongling Financial and Economical College; M.A., East Normal University, Shanghai; Ed.D., University of Massachusetts.
- Veronica McAsey, 2007.** Library Director. B.A., M.A., M.S.L., Emporia State University.
- Bridget McGuire, 2006.** Preschool Director. B.A., M.A., Webster University-Saint Louis.
- Jeni McRay, 2006.** Director of Academic Affairs. B.A., Oklahoma City University; M.S.Ed., Newman University; Ph.D. Kansas State University.
- Eloy Mendoza, 2006.** Admission Counselor/Digital Communication. B.A., Southwestern College.
- W. Richard Merriman, Jr., 1998.** President. B.S., M.S., Emporia State University; Ph.D., Indiana University.
- Cori A. Meyer, 2006.** Head Volleyball Coach. B.S., M.S., Wichita State University.
- Catherine Mohr, 2005.** Academic Advisor, Professional Studies. B.G.S. Wichita State University.
- Allyson Moon, 1988.** Associate Professor of Theatre and Speech. B.A., Southwestern College; M.A., Emporia State University.
- Roger S. Moon, 1988.** Associate Professor of Theatre and Speech. Director of Theatre Program. B.A., Southwestern College; M.A., Emporia State University.
- Todd H. Moore, 2002.** Director of Admission. B.S., Phillips University; M.S., Central Missouri State University.
- Nancy L. Morse, 1997.** Office Manager, Professional Studies. B.S., Southwestern College.
- Janeke O'Neal, 2007.** Financial Aid Counselor. B.S., Friends University.
- Charles P. Osen, 2003.** News Bureau/Communications Assistant. B.A., Southwestern College.
- Karen L. Pedersen, 2000.** Vice President for Professional Studies. B.S., M.S., University of Nebraska-Lincoln; Ph.D., Oklahoma State University.
- Ben (Crystal) Peng, 2006.** Assistant Professor of Computer Science. B.S., Nanjing Institute; M.S., Chinese Academy of Sciences; Ph.D., Wayne State University.
- Robert Perret, 2007.** Librarian II. B.S., University of Colorado; M.L.S., University of Denver.
- Dawn Pleas-Bailey, 1994.** Vice President for Student Life. Dean of Students. B.A., North Central College; M.S.Ed., Newman University; Ph.D., University of Pennsylvania.
- Tamera L. Pullins, 1998.** Associate Vice President for Advising and Student Success. B.S., Kansas State University; M.Ed., Texas Christian University.
- Terry E. Quiett, 1994.** Coordinator, Center for Academic Technology. B.Mus., Southwestern College.

- Joni Rankin, 2006.** Director of Learner Services, Professional Studies. B.A., MBA, Southwestern College.
- Stephen W. Rankin, 1995.** Professor of Religious Studies. Kirk Professor of Philosophy and Religion. Chair, Philosophy and Religious Studies Department. Campus Minister. B.S., Kansas State University; M.Div., St. Paul School of Theology; M.Th., Trinity Evangelical Divinity School; Ph.D., Northwestern University.
- Joel Reinoehl, 2006.** Director of Major Gifts. B.S., University of Kansas; M.S., Wichita State University.
- Margaret A. Robinson, 1987.** Director of Institutional Research. B.B.A., MBA, Southwestern College.
- Patrick N. Ross, 1997.** Associate Professor of Biology. Chair, Natural Science Division. B.S., University of Wisconsin; M.A., Ph.D., University of California, Santa Barbara.
- Cheryl L. Rude, 1991.** Associate Professor of Leadership Studies. Director, Leadership Southwestern Program. Chair, Social Science Division. B.S., University of Kansas; M.Ed., Wichita State University; Ph.D., Union Institute and University.
- Martin D. Rude, 1991.** Director of Outreach Ministry. B.S., Wichita State University.
- Steven W. Ruggles, 1994.** PC Procurement and Support Specialist. B.S., M.S., Kansas State University.
- Roberto dos Santos, 2000.** Head Men's and Women's Soccer coach. B.S., Bethany College; M.Ed., Southwestern College.
- John Scaggs, 2007.** Associate Professor of English. B.A., M.A., University College Dublin; Ph.D., University of Limerick.
- Jane M. Schlickau, 1987.** Professor of Nursing. B.S.N., University of Kansas; M.N., Wichita State University.
- Rachel Schmeidler, 2007.** Program Representative, Professional Studies. B.S., Park University.
- Philip R. Schmidt, 1967.** Professor of History. Chair, History and Political Science Department. Coordinator of Advising. B.A., Ottawa University; M.A., Ph.D., University of Kansas.
- Christopher A. Schmitz, 2003.** Assistant Professor of Music. Director of Bands. B.Mus., Arizona State University. M.Mus., University of Northern Iowa.
- Brad Sexson, 2004.** Head Men's and Women's Golf Coach. Champions of Character Representative to the NAIA. B.A., McNeese State University.
- Sunni Sheets, 2001.** Graphic Designer. B.F.A., University of Kansas; MBA, Southwestern College.
- James Andrew Sheppard, 1997.** Vice President for Academic Affairs. Dean of Faculty. B.A., Bethany College; M.A., Iliff School of Theology; Ph.D., University of Sheffield.
- Timothy R. Shook, 1988.** Professor of Music. Chair, Performing Arts Division. B.Mus., Kansas State University; M.Mus., Wichita State University; Ph.D., University of Oklahoma.
- E. Sue Simmons, 2000.** Director of Conferences and Summer Programs. Director of Human Resources.
- Christopher T. Smith, 2005.** Coordinator of GoArmyEd and eArmyU, Professional Studies. B.S., Newman University.
- Robert M. Smith, 1995.** Systems Analyst/Programmer. B.S., Southwestern College.

- Vanessa Smith, 2007.** Program Representative, Professional Studies. B.A., University of Phoenix.
- Stacy Sparks, 2006.** Assistant Professor of Journalism. B.A., M.S., Fort Hays State.
- Daniel B. Stevens, 2006.** Assistant Professor of Strings Music. B.Mus., Oberlin College; M.Mus., Oklahoma State University.
- Denise Stephens, 2000.** Donor Information Specialist.
- Sheleah D. Taylor, 2002.** Director of Campus Life. B.B.A., M.Ed., Southwestern College.
- Michael R. Tessmer, 1998.** Associate Professor of Chemistry. B.S., Mankato State University; Ph.D., University of Minnesota.
- Stacy R. Townsley, 2004.** Registrar. B.A., University of Tulsa; M.A., University of Texas at Austin.
- Xuejun (Eugene) Wang, 2006.** Assistant Professor of Business. B.S., Nanjing Institute of Technology; M.A., Indiana State University; Ph.D., Purdue University.
- Sara S. Weinert, 1996.** Vice President for Communications. B.A., Kansas State University.
- Stephen K. Wilke, 1990.** Vice President for Enrollment Management, Planning, and New Programs. Associate Professor of Psychology. B.A. Southwestern College; M.A., Ph.D. California School of Professional Psychology.
- Amanda Willhite, 2007.** Admission Counselor. B.A., Southwestern College.
- Stephen M. Woodburn, 2003.** Assistant Professor of History. B.A., Wheaton College, M.A., Ph.D., Miami University in Ohio.
- Rodney M. Worsham, 1994.** Associate Director of Admission. B.S., Cameron University; M.S.M., Friends University.
- Sharon K. Wright, 1993.** Administrative Assistant to the President and the Vice President for Academic Affairs and Dean of Faculty.
- Amy Hong Yan, 2005.** Coordinator, Information and Instructional Technology, Professional Studies. B.Y., Yunnan Normal University, China; M.S., Wichita State University.
- Saeed Yazdani, 2007.** Associate Professor of Business. B.A., University of Texas at Dallas; M.S., Bowie State University; Ph.D., Argosy University.
- Alex Zarchan, 2007.** Financial Aid Counselor. B.B.A., University of Iowa.

# Family Education Rights and Privacy Act

The Family Educational Rights and Privacy Act (FERPA) is a federal law designed to protect the privacy of a student's education record. Under the terms of FERPA, Southwestern College is permitted to disclose directory information about a student without a student's consent, although a student may restrict the release of directory information by completing the Non-Disclosure Form available online and in the registrar's office. The college has established the following as directory information: name; local, home, parent, and e-mail addresses; local, home, and parent telephone numbers; major(s) and minor(s); degrees, awards, and honors received; dates of attendance; enrollment status (full-time, part-time); previous education institution attended; date of birth; class type (main campus, professional studies, online); academic (class) level; height and weight of athletic team member; extracurricular activities; and video and photograph.

Under FERPA, a student has the right to the following:

- to inspect and review his or her education records (does not include parents' financial information) within 45 days of the day the college receives a request for access;
- to request amendment of education records that he or she believes are inaccurate or misleading;
- to have some control over the disclosure of personally identifiable information from education records, except to the extent that FERPA authorizes disclosure without consent;
- to file with the U.S. Department of Education a complaint concerning alleged failures by the college to comply with the requirements of FERPA.

## For More Information

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For FERPA forms or more information concerning college policies, please write, fax, or call:

Office of the Registrar  
Southwestern College  
100 College St.  
Winfield, KS 67156-2499  
Phone: (620) 229-6268 or (800) 846-1543  
Fax: (620) 229-6384  
[www.sckans.edu/registrar](http://www.sckans.edu/registrar)

# Appendix A: Title II Compliance

Southwestern College is in compliance with federal regulations on disbursement of Title II information. The Title II report may be accessed at [www.sckans.edu/education](http://www.sckans.edu/education) or requested from:

Vickie Henderson  
 Center for Teacher Education  
 Southwestern College  
 100 College St.  
 Winfield, KS 67156  
 Phone: (620) 229-6253 or (800) 846-1543 Ext. 6253  
 E-mail: [vickie.henderson@sckans.edu](mailto:vickie.henderson@sckans.edu)

## Performance of Completers, Teacher Preparation Program

<b>Section 1. Pass Rates</b>					
<b>Single-Assessment Institution-Level Pass-Rate Data</b>					
<b>Regular Teacher Preparation Program</b>					
Institution Name: Southwestern College					
Academic year: 2005-2006					
Number of program completers: 21					
<b>Type of Assessment</b>	<b>Assessment Code Number</b>	<b>Number taking assessment</b>	<b>Number passing assessment</b>	<b>Institutional pass rate</b>	<b>State-wide pass rate</b>
<i>Professional Knowledge</i>	PLT				
Assessment 1	522 PLT K-6	11	10	91%	98%
Assessment 2	524 PLT 7-12	9			97%
<i>Academic Content Areas</i>					
Elem Ed Curr Instruc Assessment	011	6			95%
Education of Young Children	021	4			97%
Mathematics: Content Knowledge	061	2			96%
Biology Content Knowledge	235	2			91%
Chemistry Content Knowledge	245	1			
<i>Other Content Area</i>					
Physical Ed: Content Knowledge	091	4			97%
Business Education	100	2			94%

*The number of program completers found, matched and used in the passing rate calculation will not equal the sum of the column labeled "number Taking Assessment" since a completer can take more than one assessment. There must be at least 10 test takers for pass rates to be reported.*

## Aggregate and Summary Institution-Level Pass-Rate Data

### Regular Teacher Preparation Program



Institution Name: Southwestern College				
Academic year: 2005–2006				
Number of program completers: 21				
Type of Assessment	Number taking assessment	Number passing assessment	Institutional pass rate	State-wide pass rate
Aggregate – Professional Knowledge	20	19	95%	97%
Aggregate – Academic Content Areas (Math, English, Biology, etc.)	15	13	87%	95%
Aggregate – Other Content Area (Career/Technical, Health Edu, etc.)	6			96%
<b>Summary Totals and Pass Rates</b>	21	19	90%	94%

Section 2. Program Information	
103	Total number of students enrolled during 2005–2006.
21	Total number of program completers 2005–2006.
0	Number of students in the alternate teacher preparation program at your institution.
21	How many students (in the regular program and any alternative route programs) were in programs of supervised teaching during academic year 2005–2006?
4	Appointed full-time faculty in professional education: an individual who works full time in a school, college, or department of education, and spends at least part of the time in supervision of teacher preparation students.
1	Appointed full-time faculty in professional education and full-time in the institution: any full-time faculty member in the institution who also may be supervising or teaching in the teacher preparation program.
1	Appointed part-time faculty in professional education, not otherwise employed by the institution: may be part-time university faculty or pre-K–12 teachers who supervise prospective teachers. The numbers do not include K–12 teachers who simply receive a stipend for supervising student teachers. Rather, this third category is intended to reflect the growing trend among institutions of higher education to appoint K–12 teachers as clinical faculty, with the rights and responsibilities of the institution's regular faculty.
6	Total number of supervising faculty for the teacher preparation program during 2005–2006.
3.5	The student/faculty ratio (divide the total # of students by total supervising faculty)
40	The average number of hours per week required of student participation in supervised student teaching.
14	The total number of weeks of required supervised student teaching.
560	The total number of supervised student teaching hours required.
YES	Is your teacher preparation program currently approved or accredited by the state?
YES	Is your teacher preparation program currently accredited by the National Council for the Accreditation of Teacher Education (NCATE)?

YES	Is your institution currently accredited by the North Central Association of Colleges and Schools?
	<p>Please list any additional accrediting sources:</p> <p>Little Builders Pre-School has been accredited by the national Association of the Education of Young Children (NAEYC)</p> <p>Southwestern College's music department is accredited by the National Association of Schools of Music (NASM)</p>
NO	Is your teacher preparation program currently under designation as "low-performing" by the state (as per section 208 (a) of the HEA of 1998)?

### **Photos**

Southwestern College and its representatives on occasion take photographs for the college's use in print and electronic publications. This serves as public notice of the college's intent to do so and as a release to the college of permission to use such images as it deems fit. If you should object to the use of your photograph, you have the right to withhold its release by filling out a form at the college services counter.

### **Notice of Nondiscrimination**

Southwestern College is committed to a policy of nondiscrimination on the basis of race, gender, color, age, sexual orientation, religion, national origin, ethnic origin, or physical disability, veteran (including Vietnam era) status, or other non-merit reasons, in hiring, admissions, and educational programs or activities, all as required by applicable laws and regulations. The college also practices affirmative action in hiring. Responsibility for coordination of compliance efforts and receipt of inquiries, including those concerning the Civil Rights Act of 1960, the Age Discrimination in Employment Act of 1975, Title IX of the Education Amendments of 1972, and Section 504 of the Rehabilitation Act of 1973, the Vietnam Era Veterans' Readjustment Assistance Act of 1974, the Americans with Disabilities Act of 1990, and other related federal, state, and local legislation, executive orders, regulations, and guidelines has been delegated to the director of human resources, Sue Simmons, Southwestern College, 100 College, Winfield, KS 67156, telephone (620) 229-6141. Persons with questions or concerns regarding this policy may contact Sue Simmons, director of human resources, or Martha Butler, professor of nursing.

### **Disclaimer and Compliance Statements**

While Southwestern College reserves the right to make changes in its calendar, policies, regulations, fees, prices, and curriculum, the information in this catalog accurately reflects policy and states progress requirements for graduation effective August 2001. The college complies with the provisions of the Family Education Rights and Privacy Act of 1974. This act, as it applies to institutions of higher learning, ensures that students have access to certain records that pertain to them and that unauthorized persons do not have access to such records. A full statement of Southwestern policy regarding the implementation of the act is available upon request to the registrar. Southwestern College's policy of nondiscrimination is in conformity with applicable federal laws and regulations.

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