

# The College of Education and Human Services

*Dr. Max Ruhl, Dean*  
*Director, Teacher Education*

- Department of Curriculum and Instruction
- Department of Educational Leadership
- Department of Family and Consumer Sciences
- Department of Health, Physical Education, Recreation and Dance
- Department of Psychology, Sociology and Counseling
- Vocational Education
- Horace Mann School

## Teacher Education Unit



*Northwest  
Missouri  
State  
University*

The Teacher as  
Facilitator of Life-Long  
Learning in a World of  
Diversity and Change

*Mediator of Knowledge*



*Coordinator of Learning*

Promoter of Dignity, Responsibility, and Self-Worth

# College of Education and Human Services

*“Teaching is our passion. . . . . Learning is our profession.”*

**Dean:** Max L. Ruhl

The College of Education and Human Services includes the Departments of Curriculum and Instruction; Educational Leadership; Family and Consumer Sciences; Health, Physical Education, Recreation and Dance; Psychology, Sociology, and Counseling; and the Horace Mann School.

The college contributes to all facets of education within the University by providing courses which assist students in fulfillment of the General Education courses; offerings leading to the completion of B.A., B.S., and B.S.Ed. degrees; and elective coursework.

The professional preparation programs in the College of Education and Human Services and the Teacher Education Unit are accredited by the Missouri State Board of Education (2005) and the National Council for Accreditation of Teacher Education (NCATE).

## **Vision Statement**

The vision of the College of Education and Human Services is to provide highly competent professionals who are lifelong learners, reflective thinkers and ethical leaders exemplifying the ideas of literacy, scholarship and social justice in a diverse and ever-changing world.

## **Mission Statement**

The mission of the College of Education and Human Services is to create learning communities in which students and professionals develop partnerships with families, communities, schools, businesses and other public agencies to assist students in acquiring knowledge, skills and values critical to a democratic society. As a result, we prepare students for leadership careers in business, industry, education, government, recreation, public service and health and wellness.

The goals of the college are to:

- Provide students a strong knowledge base in general education.
- Provide opportunities for specialization through majors and minors.
- Provide opportunities to develop values and ethics within the academic discipline.
- Provide opportunities for students and faculty to collaborate in research
- Provide services to the community and surrounding region.
- Provide opportunities for continuing and graduate education.

## Vision Statement for the Professional Education Unit

The Northwest Missouri State University Professional Education Unit prepares highly effective professional educators who accept responsibility for educating all children.

## Mission Statement for the Professional Education Unit

In both graduate and undergraduate programs the unit will:

- Maintain high professional expectations for those entering and exiting our programs.
- Continuously monitor and evaluate the extensive data provided through the Professional Education Unit's assessment system in order to build strong programs and provide the highest levels of guidance and support to our students.
- Provide resources to design programs that incorporate best practice in quality learning experiences, integrating technology in a thoughtful, authentic manner.
- Prepare educators to make informed data-based curricular and instructional decisions that positively impact student achievement.
- Prepare educators who will empower PreK-12 students, including those with unique learning abilities, to be responsible and productive members of society.
- Place a growing emphasis on preparation of teachers in partnership with the Horace Mann Laboratory School and in collaboration with our professional development schools.
- Continue collaborating with all stakeholders (parents, students, current educators, and state and federal agencies) in the preparation of the next generation of educators.
- Collaborate with urban professional development schools, ensuring our teacher candidates, faculty and curricula interact with the urban school environment.

## Core Values

Northwest will be a catalyst for education excellence based on the following statements. We are committed to:

- Serving students as our primary focus.
- Having high expectations by assuring that every educator possesses the highest level of knowledge, skills and dispositions.
- Using data to monitor and evaluate candidates and programs for continuous improvement.
- Promoting learner-centered classrooms built on research-based best practice with quality learning experiences integrating technology in a thoughtful and authentic manner.
- Preparing educators to make informed data-based curricular and instructional decisions that positively impact student achievement.
- Providing an educational environment that encourages the health of all students.
- Promoting the ideals of a democratic society and the inherent worth of each individual.
- Collaborating with all stakeholders in the preparation of the next generation of educators
- Preparing leaders in our fields who model integrity and professionalism.

## Continuous Improvement and Program Quality

The organizational structure is designed to maximize input from and empowerment of the entire education community. Cross-functional teams of college faculty, PreK-12 faculty, and students function to ensure continuous study and improvement of programs and processes around issues of importance to the college, such as technology integration, a curriculum representative of our nation's diversity and consistent evaluation of assessment data on program performance.

## Teacher Education Resources

Educational Field Experiences	Carole Edmonds, Director
Horace Mann School	Rebecca Belcher, Director
Teacher Certification	Kim Hullinger, Certification Officer
Teacher Education Student Services (TESS)	Tim Wall, Director
Outreach	Sandra Eckert-Stewart, Director
Early Childhood Center	Susan Baker, Director
Regional Professional Development Center	Sandra Eckert-Stewart, Director
Student Support Services	Phillip Kenkel, Director
Upward Bound	Basil Lister, Director
Upward Bound Math and Science	James Clark, Director
Missouri Assessment Program (MAP)	Sandra Eckert-Stewart, Director

## GENERAL INFORMATION

### Admittance to Teacher Education

All students desiring to complete teacher certification requirements must make application to become officially admitted to the professional education program through the satisfactory completion of the "Application to Professional Education Program" form. This form may be obtained from the Teacher Education Student Services (TESS) Office, Brown Hall, Room 212.

Application for admission to the professional education program should be initiated in the trimester following the one in which the eligible student completes 45 hours of academic credit or upon transfer of 45 hours of credit acceptable to this institution. All students desiring to become teacher candidates must demonstrate basic educational competencies prior to formal admission into the professional teacher education program. To do this applicants must:

1. Provide evidence (score) of completion of the ACT or SAT by having scores submitted to the University.
2. Successfully complete Com 29-102 Fundamentals of Oral Communication, with a grade of "C" or better.
3. Successfully complete Elem Ed 63-211 Observation and Activity in the Elementary School for elementary education programs; Sec Ed 65-262 Middle School Teaching Practicum I for middle school programs; Sec Ed 65-260 Secondary Teaching Practicum I for secondary education programs; Sec Ed 65-260 for elementary-secondary programs; Elem Ed 63-211 or Sec Ed 65-262 or Sec Ed 65-260 for special education programs.
4. Complete at least 45 semester hours of coursework and achieve a minimum cumulative GPA of 2.50 with no more than seven hours below a "C" for all courses used to meet general education requirements.
5. Achieve a minimum ACT of 20 (or equivalent on the SAT) and a 265 on at least three areas of the C-BASE (English, Mathematics, Science, Social Studies, Writing Sample) and a minimum of 235 on all areas, or an ACT of 21 (or equivalent on the SAT) or more and a 235 on all sections of the C-BASE.

6. Register for admission to the Professional Education Program at the Teacher Education Student Services (TESS) Office in Brown Hall, Room 212, in accordance with the application procedure. This form will not be issued until all the above criteria have been met.
7. Pass review by the Teacher Education Admissions Committee.
8. Take completed form to approved Professional Education advisor for signature and assignment of anticipated student teaching blocks or professional trimester.
9. Return signed form to the TESS Office for final approval by the TESS coordinator. A copy of the approved form will be sent to the student and advisor. Any changes in major or anticipated student teaching block/professional trimester must be approved by the TESS Office once admission has been obtained.

Note: Students who do not meet the admissions standards listed above may qualify for “alternative” or “probationary” admission.

**Alternative Admissions:** The alternative admissions process is designed for applicants from a disadvantaged background (as provided in CBHE policy). In acting on such applications the Teacher Education Admissions Committee (TEAC) looks for evidence of extraordinary circumstances that are beyond the control of the student, which disadvantage them, and for specific data (leading indicators) demonstrating ability to succeed in teacher education programming. The student must outline a credible plan by which they will overcome the particular academic challenge(s).

**Probationary Admissions:** Students seeking admission to the Teacher Education Program who fail to meet the minimum score required for any C-BASE subsection(s) for a third time, may not continue in the teacher education sequence. A student, who continues to be convinced that he/she can be successful in Teacher Education, should consult their academic advisor and may request a meeting with the TEAC to discuss probationary status. The student must complete the Application for Probationary Admission form, providing data-based reasons why they believe they can ultimately be successful. In granting probationary status, the TEAC may identify support processes, short courses, or other means by which the student can improve performance in the area(s) of deficiency. If a student is granted probationary admissions, he/she must meet admissions requirement within one trimester.

Students with handicapping conditions which prevent valid test results from the College BASE will be evaluated for basic educational competencies through appropriate testing instruments and/or procedures by psychometrists as designated and approved by the Council on Teacher Education.

Students must request testing arrangements to accommodate their special testing needs. Possible special arrangements include a large type edition of the College BASE, extended time, readers, signers, scribes, magnifying equipment and others.

Students pursuing an undergraduate degree (B.A., B.S., or B.S.Ed.) who meet Northwest professional education program requirements or those who have earned other baccalaureate degrees and have filed an academic contract or an approved graduate program to complete teaching certification requirements and have been admitted to the professional education program will receive a Missouri State Board of Education and an NCATE recommendation for certification.

### **Advanced Standing Requirement**

All teacher education candidates must be formally admitted to the teacher education program to be eligible to enroll and participate in the following upper division courses:

Psych 08-317 Psychology of Early Adolescence

Ed 61-461 School and Society  
 Elem Ed 63-407 Elementary School Language Arts Practicum  
 Elem Ed 63-420 Classroom Management/Discipline and Content Instruction  
 Elem Ed 63-543 Practicum in Early Childhood Education  
 Sec Ed 65-362 Middle School Teaching Practicum II  
 Sec Ed 65-430 Teaching Writing in the Middle School  
 Sec Ed 65-485 Secondary Methods and Techniques  
 Sec Ed 65-511 Middle School Curriculum, Methods and Practicum  
 Read/Sp 66-353 Teaching Reading in the Content Areas  
 Read/Sp 66-444 Practicum in Special Education: Cross Categorical  
 Read/Sp 66-456 Practicum and Seminar in Elementary School Reading  
 Read/Sp 66-544 Practicum in Early Childhood Special Education  
 Middle School/Secondary Education Methods Courses (Ag 03-580, Art 13-480,  
 Com 29-480, CSIS 44-580, Eng 10-480, Lang 14-480, FCS 15-580, Math 17-580,  
 Math 17-582, Mus 19-482, Mus 19-484, PE 22-480, PE 22-580, Sci Ed 28-580,  
 Sci Ed 28-582, Soc Sci 36-480)  
 Directed Teaching (all areas)

### Teacher Education Guidance Committee

The committee considers those professional education students who have deficiencies which are so serious that their success in the field of teaching would seem to be unlikely. Such deficiencies may or may not relate to quantitative criteria.

The guidance committee is an ad hoc subcommittee of the Council on Teacher Education. Although the Council on Teacher Education has overall reviewing authority, this subcommittee, known as the Teacher Education Guidance Committee, develops and implements the necessary policies. Committee members may include the dean of the College of Education and Human Services, chairperson of the Department of Curriculum and Instruction, chairperson of the Department of Educational Leadership, chairperson or director of the student's major studies area, and faculty who have taught the student. These individuals are included since they possess relevant information about the student.

Any University faculty member may refer a student to the Teacher Education Guidance Committee. The chairperson of the Teacher Education Council will then structure the ad hoc committee and arrange a meeting to which the student may be called to appear. The chairperson will then report the decision of the committee to the student.

The committee will take one of three courses of action in regard to a student in question:

1. No action; the student would continue in the teacher education program.
2. Recommend remedial actions that the student must take, to be followed by further screening.
3. Recommend that the student be dropped from the teacher education program, in which case he or she would not be eligible to earn the B.S.Ed. degree from the University.

### Directed Teaching

Prospective student teachers must attend an orientation session and make application for student teaching with the director of educational field experiences **in the trimester immediately prior** to the trimester in which student teaching is to be completed. The director of educational field experiences will establish a specific date for application each trimester. At the time of application, the student must secure the approval of the following persons: Registrar, major advisor (and minor advisor when appropriate), and TESS coordinator. The application form containing the approval route should be obtained at the orientation session. An overall

2.50 GPA and official admittance to the teacher education program are required (see “Admittance to Teacher Education” on page 278). A minimum GPA of 2.50 is also required for all courses taken at Northwest, all courses taken in each of the applicant’s subject areas and all courses in the professional education sequence.

Secondary and elementary-secondary program majors are required to successfully complete Read/Sp 66-353; Sec Ed 65-485, and Ed 61-461 during their professional trimester in order to maintain eligibility to student teach. Elementary, middle school and special education majors student teach an entire trimester; secondary majors student teach for 10 weeks during the latter segment of the professional trimester. **Students may not have a choice of time or location for the directed teaching experience.**

### Graduation Requirements

Students completing a teacher education program must complete as a part of their program a field experience in a diverse setting for a minimum of thirty (30) clock hours.

A portfolio demonstrating what a student knows and is able to do is required for completion of a teacher education program.

### Certification Exit Requirements

In addition to satisfying the respective program requirements, each candidate seeking initial certification must achieve:

1. A minimum overall GPA of 2.50;
2. A minimum overall GPA of 2.50 in each of the certificate subject areas;
3. A minimum overall GPA of 2.50 and no grade lower than a “C” in professional education courses, i.e., those courses defined as foundations for teaching, teaching methods and techniques, and clinical experiences;
4. A satisfactory score on the appropriate PRAXIS-II Test(s).

### Certification

Students admitted to the professional education program are subject to all prevailing academic and social regulations and policies of the University in addition to those specified for the various certificate program sequences. The teacher education candidate is also subject to any Missouri legislative action or State Board of Education policy that may become effective during the lifetime of this catalog. The candidate is responsible for meeting the requirements of endorsement area(s) at the time of application for an initial Missouri teaching certificate. In addition to the certificate requirements, the student must satisfy the degree requirements of the major department. The teacher education advisor in each department will assist the student in meeting all requirements. For specific information regarding teacher certification, contact the Teacher Certification Officer.

### Post-Degree Certification

Individuals who hold baccalaureate degrees from regionally-accredited institutions may elect to pursue their initial teaching certificate by completing our teacher preparation program. Candidates are subject to the requirements as provided in this catalog. Candidates are required to fulfill all the general education requirements for certification as designated by the state of Missouri.

## **Title II Reporting**

Northwest annually reports to the United States Department of Education on the performance of its Teacher Education graduates. The report is public information and is contained in its entirety on the following website: [www.nwmissouri.edu/dept/peu/Closer\\_Look\\_files/CloserLook.htm](http://www.nwmissouri.edu/dept/peu/Closer_Look_files/CloserLook.htm).

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## Course Description

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### College of Education and Human Services / 73

#### 101 Freshman Seminar (1 hour)

Freshman Seminar is designed to introduce students to Northwest Missouri State University. Topics of exploration will include: adjustment to University life, skills necessary to make the most of the University experience, General Education requirements, academic programs and advisement, career exploration, campus and community resources, taking advantage of cultural and extracurricular events and assuming responsibility for one's own University experience.



# Department of Curriculum and Instruction

**Chairperson, Department of Curriculum and Instruction:** Nancy Riley

**Director, Horace Mann School:** Rebecca Belcher

**Director, Early Childhood Center, Horace Mann School:** Susan Baker

The department offers undergraduate programs in elementary education, early childhood education, middle school education and special education.

**Faculty, Department of Curriculum and Instruction:** Caroline Clark-Murphy, Barbara Crossland, Margaret Drew, Nancy Foley, Terry Lovelace, Carolyn McCall, Shirley Steffens, Preeti Suppal, Pat Thompson, Carol Tjeerdsma

**Faculty, Horace Mann School:** Reina Drake, Nancy Farlow, Amber Hawk, Linda Heeler, Cecily Lanier, JoAnn Marion, Erin Oehler, Gina Scott, Mary Jane Stiens, Cathi Schwienebart, Lynette Tappmeyer, Amy Vorderbruegge

**Early Childhood Center Personnel:** Meghan Sheil, Debbie Clark

Information regarding program advisement, requirements and certification may be obtained from the following people:

<b>Program</b>	<b>Coordinator</b>
Early Childhood Education .....	Preeti Suppal
Elementary Education .....	Carolyn McCall
Middle School .....	Patricia Thompson
Special Education .....	Shirley Steffens

## Statement of Mission

The mission of the Department of Curriculum and Instruction is to prepare caring teachers who possess the highest level of professional knowledge, skills and dispositions necessary to help all students learn in a diverse and ever changing world. This principle serves as the guiding framework for the developmental learning opportunities afforded to teachers in training in the various programs offered through the department.

## DEGREE PROGRAMS

Bachelor of Science in Education

Completion of one of the following curricula, other University requirements and an overall

grade point average of 2.50 on a 4.00 scale qualifies the student to receive a Bachelor of Science in Education degree.

The number of hours in the major, minor and elective categories may vary depending on the major and minor selected. Care should be exercised in choosing courses to assure a minimum of 40 semester hours in courses numbered above 300.

All degrees in education are subject to state requirements which may change at any time due to action of the State Board of Education.

**B.S.Ed. Degree Requirements, Elementary Program Semester Hours**

**General Education Requirements (See pages 70-72) 42**

Students are advised to complete the following course as a General Education requirement:

Psych 08-303 Educational Psychology (3)

**Degree Requirements 6**

Ed 61-569 Multiculturalism in Education (3) AND

Lang 14-100 level "Communication and Culture" Modern Languages course (3)

Within, or in addition to, the General Education requirements, the following **must** be taken for teacher certification:

\*English Composition, two courses

\*Oral Communications, one course (Must achieve grade of "C" or better)

\*Social Studies, one course in each:

American History

American Government

Geography 32-101

Economics 52-130 (52-150 or 151 are acceptable)

\*Natural Sciences, one course in each (both must have a laboratory component)

Biological Science

Physical Science

(Biology (04-102/103) and Physical Science (40-102/103) are

prerequisites for Methods in Elementary School Science 28-380)

\*Humanities

Music (19-201) OR Art (13-102), one course

One course from: Modern Languages, Western and Non-Western

Cultures, Philosophy, Literature, Classical Studies or Theatre and Drama

\*Mathematics

College-level mathematics course (Math 17-171)

(Must achieve grade of "C" or better)

\*Computer Applications

Computers and Information Technology 44-130

\*All of these courses must be a minimum of two semester hours.

**Elementary Education Major Requirements 67-70**

**Concentration in Subject Area of Specialization**

(See College of Education and Human Services) 21

**TOTAL MINIMUM ACADEMIC HOURS 124**

# Elementary and Early Childhood Education / 63

All students interested in teaching at the elementary level must complete a Major in Elementary Education and one of the following specialty studies: Concentration in a subject area (21 hours), Early Childhood minor (30-34 hours) or Early Childhood Special Education endorsement (36-39 hours).

## MAJOR

Major in Elementary Education, 67-70 hours: B.S.Ed., Elementary Program (Certifies Grades 1-6)

<b>Required Courses</b>	<b>Semester Hours</b>
<b>Foundations for Teaching</b>	
Read/Sp 66-301 Reporting Pupil Progress	2
Psych 08-303 Educational Psychology	Directed General Education
Read/Sp 66-371 Introduction to Special Education	2
Psych 08-312 Child Psychology (2) OR	
Psych 08-333 Developmental Psychology (3)	2-3
Ed 61-461 School and Society	3
<b>Teaching Methods</b>	
Elem Ed 63-216 Literature for the Elementary School	3
PE 22-238 Health and PE Methods in the Elementary School	3
Read/Sp 66-356 Teaching Reading/Language Arts in the Elementary School	4
Read/Sp 66-380 Diagnostic and Corrective Reading	2
Art 13-380 Art in the Elementary School	2
Mus 19-380 Music Methods for Elementary Education	2
Math 17-471 Mathematical Methods for Elementary Teachers	3
Sci Ed 28-380 Methods in Elementary School Science	3
Elem Ed 63-410 Elementary School Social Studies	3
Elem Ed 63-420 Classroom Management/Discipline and Content Instruction	3
<b>Clinical Experiences</b>	
Elem Ed 63-211 Observation and Activity in the Elementary School	1
Elem Ed 63-407 Elementary School Language Arts Practicum	1
Read/Sp 66-456 Practicum and Seminar in Elementary School Reading	3
Elem Ed 63-490 Directed Teaching in the Elementary School	16-18
<b>NOTE: Directed teaching from other certification or other degrees may count for up to 8 hours of the 16 required hours.</b>	
<b>Computer Applications</b>	
CSIS 44-130 Computers and Information Technology	3

**Elementary School Courses**

Econ 52-130 Survey of Economics OR	
Econ 52-150 General Economics I OR	
Econ 52-151 General Economics II	3
Math 17-371 Algebra and Geometry for Elementary and Middle School Teachers	3
Art 13-102 Art Appreciation (3) OR	
Mus 19-201 The Enjoyment of Music (3)	Directed General Education
(Prerequisite for Art and Music Methods Courses, Art 13-380 & Mus 19-380)	
Geog 32-101 Introduction to Geography (3)	Directed General Education
Math 17-171 Fundamentals of Mathematics (3)	Directed General Education

**Concentration in Subject Area, 21 hours**

This alternative is recommended for persons who wish to extend their competencies in a particular subject area, but do not seek additional certification at this time. Students should see the Coordinator of Elementary Education for specific subject area requirements

**MINOR**

Minor in Early Childhood Education, 30-34 hours: B.S.Ed.,  
Elementary Program (Certifies Birth through Grade 3)

This program is recommended for elementary majors who desire specialized training in early childhood programs for children birth to age eight. This minor is required for teaching in a self-contained kindergarten classroom in Missouri.

<b>Required Courses</b>	<b>Semester Hours</b>
FCS 15-312 Child Development	3
Elem Ed 63-340 Principles of Early Childhood Education	2
FCS 15-330 Preschool and Elementary Nutrition Education	2
FCS 15-410 Parenthood Education	3
Elem Ed 63-531 Curriculum and Methods in Early Childhood Education	3
Elem Ed 63-532 Family and Community Resources in Early Childhood	2
Elem Ed 63-541 Identifying and Prescribing Instruction in Early Childhood	3
FCS 15-212 Administration of Child Care Programs	3
Elem Ed 63-543 Practicum in Early Childhood	4
**Elem Ed 63-491 Directed Teaching Early Childhood	5-9

**\*\*Students enrolling in 66-496 Directed Teaching Early Childhood Special Education for 3 hours should enroll in 5-6 hours in 63-491.**

**Certification in Early Childhood Special Education, 6-9 hours:**  
(Certifies Pre-K and K in Missouri)

This program is designed for the elementary/early childhood major\* who desires to teach pre-kindergarten and kindergarten children who have disabilities.

<b>Elementary Education Requirements</b>	<b>Semester Hours</b>
(See Catalog)	<b>67-70</b>
<b>Early Childhood Requirements</b>	
(See Catalog)	<b>30-34</b>
<b>Early Childhood Special Education Requirements</b>	
Read/Sp 66-542 Curriculum and Methods in Early Childhood Special Education	3

Read/Sp 66-544 Early Childhood Special Education Practicum (Graduate Students Only) (3) OR Read/Sp 66-496 Directed Teaching Early Childhood Special Education (Undergraduates Only) (3-9)	3-9
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**Total Hours** **6-9**

**\*Students not pursuing an elementary/early childhood major should consult with their advisor for requirements.**

## Middle School / 65

### MAJOR

Major in Middle School, 49-52 hours: B.S.Ed. degree—Certifiable  
Subject Field Required

This major meets Grades 5-9 certification (subject area requirements for Grades 5-9) in Missouri through two or more minor(s), concentration(s), and/or endorsement(s) completed by the student. Students must meet the general studies Missouri certification requirements.

**General Education Requirements (see pages 70-72)** **42**

Students are advised to complete the following course as a General Education requirement:

Psych 08-303 Educational Psychology (3)

**Degree Requirement** **6**

Ed 61-569 Multiculturalism in Education (3) **AND**

Lang 14-100 level "Communication and Culture" Modern Languages course (3)

Within, or in addition to, the General Education requirements, the following **must** be taken for teacher certification:

\*English Composition, two courses

\*Oral Communications, one course

\*Social Sciences, one course in each

American Government

American History

One additional course selected from Geography, Economics, Sociology,

Anthropology, or Psychology (Psych 08-303)

\*Natural Sciences, one course in each (both must have a laboratory component)

Biological Science

Physical or Earth Science

\*Mathematics

Two mathematics courses appropriate for middle school level teachers

\*Humanities, one course from two of the following fields

Music (not applied), Art, Modern Languages, Western and Non-Western

Cultures, Philosophy, Literature, Classical Studies, Theatre and Drama

\*Computer Applications

Computers and Information Technology 44-130

**\*All of these courses must be a minimum of two semester hours.**

<b>Professional Education Requirements</b>	<b>Semester Hours</b>
Ed 61-461 School and Society	3
Ed 65-570 The Middle School	3

Psych 08-303 Educational Psychology	Directed General Education	
Psych 08-317 Psychology of Early Adolescence		2
Read/Sp 66-371 Introduction to Special Education		2
<b>Teaching Methods</b>		
Read/Sp 66-353 Teaching Reading in Content Areas		2
Read/Sp 66-356 Teaching Reading/Language Arts in the Elementary School		4
Sec Ed 65-430 Teaching Writing in the Middle School		2
Sec Ed 65-511 Middle School Curriculum, Methods and Practicum		3
Read/Sp 65-520 Techniques of Classroom Management and Discipline		2
Concentration Area Methods Course—One for each minor, concentration and/or endorsement area		5-6
<b>Additional Mathematics Course (State required)</b>		
Math 17-371 Algebra and Geometry for Elementary and Middle School Teachers		3
<b>Computer Applications</b>		
CSIS 44-130 Computers and Information Technology		3
<b>Clinical Experience</b>		
Sec Ed 65-262 Middle School Teaching Practicum I		1
Sec Ed 65-362 Middle School Teaching Practicum II		1
Sec Ed 65-491 Directed Teaching in the Middle School		16-18
Directed teaching from other certification fields may count for up to 10 of the 18 hours. See <b>Middle School Coordinator</b> for advisement.		

#### Areas of Concentration/Endorsement/Minor

**Two minors or areas of concentration (21 hours minimum) to be chosen from:**

Language Arts (p. 156, 288), Mathematics (p. 195), Science (p. 109, 124), Social Science (p. 185), Agriculture Education (p. 237), Family and Consumer Sciences (p. 309), Business Education (p. 251), and Drama/Speech (p. 143).

#### Language Arts Concentrations for Middle School Major Certifies Grades 5-9 when completed with the Middle School Major

Required Courses	Semester Hours
Eng 10-290 Introduction to the Teaching of Writing	3
Eng 10-403 English Grammars	3
Eng 10-590 Young Adult Literature	3
Com 29-325 Listening Behavior and Skills	3
Th 43-460 Creative Dramatics	3
<b>21 Hour Concentration (meets requirements of middle school major)</b>	
<b>Required Courses</b>	<b>15</b>
*Two courses from electives	6

\*See advisor for list of approved electives

Read/Sp 66-356 Teaching Reading/Language Arts in the Elementary School, Read/Sp 66-353 Teaching Reading in Content Areas, and Sec Ed 65-430 Teaching Writing in the Middle School are the required subject field methods courses.

# Reading and Special Education / 66

K-12 certification in cross categorical special education may be obtained on the B.S.Ed. degree. A minor or second teaching field is not required. However, so few additional hours would be required, strong consideration should be given to a second major in elementary education. The additional requirements are described in the section which follows the cross categorical program. The appropriate PRAXIS II exam must be completed in each major in order to obtain certification in Missouri.

B.S.Ed. Degree Requirements, K-12 Special  
Education Program

**Semester Hours**

**General Education Requirements (See pages 70-72)**

**42**

Students are advised to complete the following course as a General Education requirement:

Psych 08-303 Educational Psychology (3)

**Degree Requirement**

**3**

Ed 61-569 Multiculturalism in Education (3) **OR**

Lang 14-100 level "Communication and Culture" Modern Languages Course (3)

Within, or in addition to, the General Education requirements, the following **must** be taken for teacher certification:

\*English Composition, two courses

\*Oral Communications, one course (Must achieve grade of "C" or better)

\*Social Studies, one course in each:

American History

American Government

One course from: Geography, Economics, Sociology, Anthropology, or Psychology

\*Natural Sciences, one course in each (one must have a laboratory component)

Biological Science

Physical Science

(Biology (04-102/103) and Physical Science (40-102/103) are prerequisites for Methods in Elementary School Science 28-380)

\*Humanities

Music (19-201) **OR** Art (13-102), one course

One course from: Modern Languages, Western and

Non-Western Cultures, Philosophy, Literature, Classical Studies  
or Theatre and Drama

\*Mathematics

College-level mathematics (Math 17-171)

\*Computer Applications

Computers and Information Technology 44-130

**\*All of these courses must be a minimum of two semester hours.**

## MAJORS

Major in Special Education: Cross Categorical, 90-95 hours:  
B.S.Ed.—(Certifies Grades K-12)

<b>Foundations for Teaching</b>	<b>Semester Hours</b>
Read/Sp 66-301 Reporting Pupil Progress	2
Psych 08-303 Educational Psychology	Directed General Education
Read/Sp 66-371 Introduction to Special Education	2
Psych 08-333 Developmental Psychology (3) OR	
Psych 08-312 Child Psychology (2) AND	
Psych 08-322 Adolescent Psychology (2)	3-4
Ed 61-461 School and Society	3
Read/Sp 66-470 Assessment in Special Education	3
Read/Sp 66-471 Assessment in Special Education Lab	1
Read/Sp 66-508 Transition/Career Education for Students with Disabilities	2
Read/Sp 66-382 Introduction to Cross Categorical Special Education	3
<b>Teaching Methods</b>	
Elem Ed 63-216 Literature for the Elementary School	3
PE 22-238 Health and PE Methods in the Elementary School	3
Read/Sp 66-356 Teaching Reading/Language Arts in the Elementary School	4
Read/Sp 66-380 Diagnostic and Corrective Reading	2
Art 13-380 Art in the Elementary School	2
Mus 19-380 Music Methods for Elementary Education	2
Math 17-371 Algebra and Geometry for Elementary and Middle School Teachers	3
Math 17-471 Mathematical Methods for Elementary Teachers	3
Sci Ed 28-380 Methods in Elementary School Science	3
Elem Ed 63-410 Elementary School Social Studies	3
Com 29-553 Language, Speech and Hearing of the Exceptional Child	3
Read/Sp 66-574 Teaching Math to Students with Disabilities	2
Read/Sp 66-353 Teaching Reading in Content Areas (2) OR	
Read/Sp 66-553 The Reading Program in the Secondary School (3)	2-3
Read/Sp 66-540 Behavioral Management Techniques	3
Read/Sp 66-384 Teaching Students in Cross Categorical	
Special Education: Academic/Behavioral (3) OR	
Read/Sp 66-385 Teaching Students in Cross Categorical	
Special Education: Academic/Behavioral, Secondary (3) (see advisor)	3
Read/Sp 66-386 Teaching Students in Cross Categorical	
Special Education: Functional/Physical (3) OR	
Read/Sp 66-387 Teaching Students in Cross Categorical	
Special Education: Functional/Physical, Secondary (3) (see advisor)	3
<b>Computer Applications</b>	
CSIS 44-130 Computers and Information Technology	3
<b>Clinical Experiences</b>	
Elem Ed 63-211 Observation and Activity in the Elementary School (1) OR	
Sec Ed 65-260 Secondary Teaching Practicum I (1) AND	
Sec Ed 65-360 Secondary Teaching Practicum II (1) OR	
Sec Ed 65-262 Middle School Teaching Practicum I (1) AND	
Sec Ed 65-363 Middle School Teaching Practicum II (1)	1-2
Elem Ed 63-407 Elementary School Language Arts	1



Read/Sp 66-456 Practicum and Seminar in Elementary School Reading	3
Read/Sp 66-444 Practicum: Teaching Students in Cross Categorical Special Education	3
Read/Sp 66-497 Directed Teaching in Cross Categorical Special Education: Elementary (8-9) AND	
Read/Sp 66-498 Directed Teaching in Cross Categorical Special Education: Secondary (8-9)	16-18

**NOTE: Directed teaching from other certification or other degrees may count for up to 8 hours of the 16 required hours.**

**TOTAL MINIMUM ACADEMIC HOURS 135-140**

### Dual Majors in Special Education: Cross Categorical and Elementary Education

Additional requirements for adding elementary education (certifies self-contained grades 1-6) as a second major to the major in Special Education: Cross Categorical are the following:

Elem Ed 63-420 Classroom Management & Discipline & Content Practica	3
Lang 14-100 level "Communication and Culture" Modern Languages course	3
*Econ 52-130 Survey of Economics OR	
52-150 General Economics I OR	
52-151 General Economics II (if not taken as part of special ed)	3
*Geog 32-101 Introduction to Geogaphy (if not taken as part of special ed)	3
**Elem Ed 63-490 Directed Teaching in the Elementary School	(8-9)

**Total Additional Hours 9**

\*Either Economics or Geography is required in the major in special education; both are required for elementary education.

\*\*When combined with a major in special education, there are two Directed Teaching placements of 8-9 hours each (one elementary and one special education for a total of 16-18.) Each major, taken separately, would require 16-18 hours of directed teaching, so the dual major does NOT add additional Directed Teaching hours. Therefore, only 9 additional hours are required to complete both majors.

### Concentration in Special Education, 22 hours

This concentration is recommended for majors in elementary education wishing to extend their competencies to include the teaching of students with disabilities within the regular classroom. The program described below does not result in certification in special education.

Required Courses	Semester Hours
Read/Sp 66-301 Reporting Pupil Progress	2
Read/Sp 66-380 Diagnostic & Corrective Reading	2
Read/Sp 66-470 Assessment in Special Education	3
Read/Sp 66-471 Assessment in Special Education Lab	1
Read/Sp 66-504 Creating Inclusive Classrooms	3
Read/Sp 66-382 Introduction to Cross Categorical	3
Read/Sp 66-384 Teaching Students in Cross Categorical Special Education: Academic/Behavioral (3) OR	
Read/Sp 66-385 Teaching Students in Cross Categorical Special Education: Functional/Physical (3)	3
Read 66-540 Behavior Management Techniques	3
Read 66-574 Teaching Math to Students with Disabilities	2

# Department of Educational Leadership

**Chairperson, Department of Educational Leadership:** Michael Graham

This department offers undergraduate programs in secondary education.

**Faculty, Department of Educational Leadership:** Kristina Alexander, Carole Edmonds, Virgil Freeman, Max Fridell, Frank Grispino, Gary Howren, William Lockwood, Phillip Messner, Joyce Piveral, Max Ruhl, Tim Wall

Additional information may be obtained from the following person:

Program	Coordinator
Secondary Education .....	Cheryl Malm

## Statement of Mission

The department, through the secondary education coordinator, has overall responsibility for coordinating secondary teacher education programs in all academic areas. Our mission is to prepare teachers who can facilitate lifelong learning in a world of change, and serve as effective mediators of knowledge, coordinators of learning, and promoters of dignity, responsibility and self-worth. They should be effective communicators, knowledgeable in the content of their academic discipline and in methods of teaching it, competent and professional in developing a learning climate and assessing learning, and effective as role models and mentors for their students.

## DEGREES

Bachelor of Science in Education, Secondary Program  
(Certifies Grades 9-12)

Completion of this curriculum, other University requirements, and an overall grade point average of 2.50 on a 4.00 scale qualifies the student to receive a Bachelor of Science in Education degree.

The number of hours in the major, minor, and elective categories may vary depending on the major and minor selected. Care should be exercised in choosing courses to assure a minimum of 40 semester hours of senior college work in courses numbered above 300.

All degrees in education are subject to state requirements which may change at any time due to action of the State Board of Education.

The Secondary Education Program is being revised. Teacher Education candidates should consult with their advisor for details about their program.

**B.S.Ed. Degree Requirements, Secondary Program Semester Hours****General Education Requirements (See pages 70-72) 42**

Students are advised to complete the following course as a General Education Requirement:

Psych 08-303 Educational Psychology (3)

**Degree Requirement 3**

Ed 61-569 Multiculturalism in Education (3) **OR**

Lang 14-100 level "Communication and Culture" Modern Languages course (3)

Within, or in addition to, the General Education Requirements, the following **must** be taken for teacher certification:

\*English Composition, two courses

\*Oral Communications, one course

\*Social Studies, one course in each:

American History

American Government

One course from: Geography, Economics, Sociology,

Anthropology, or Psychology

\*Natural Sciences, one course in each (one must have a laboratory component)

Biological Science

Physical or Earth Science

\*Humanities, one course from two of the following fields:

Music, Art, Modern Languages, Western and Non-Western Cultures,

Philosophy, Literature, Classical Studies, and Theatre and Drama

\*Mathematics (a college-level Mathematics course)

**\*All of these courses must be a minimum of two semester hours.**

**Professional Education Requirements 29-30**

Sec Ed 65-260 Secondary Teaching Practicum I 1

Sec Ed 65-360 Secondary Teaching Practicum II 1

Psych 08-303 Educational Psychology Directed General Education

Psych 08-322 Adolescent Psychology 2

Read/Sp 66-371 Introduction to Special Education 2

CSIS 44-130 Computers and Information Technology 3

Special Methods in Education: (See department course listings) 2-3

A special methods course must be completed with each

major or minor which carries 9-12 or K-12 certification

\*\*Read/Sp 66-353 Teaching Reading in Content Areas 2

\*\*Ed 61-461 School and Society 3

\*\*Sec Ed 65-485 Secondary Methods and Techniques 3

\*\*Sec Ed 65-490 Directed Teaching in the Secondary School 10

(Family and Consumer Sciences majors should take FCS 15-490 Directed

Teaching in Vocational Family and Consumer Sciences Education)

**Major or Major/Minor Requirements and Electives 55-60****TOTAL MINIMUM ACADEMIC HOURS 124**

**\*\*These courses are to be taken during the "professional trimester." Other courses may be taken during the "professional trimester" only with the permission of the Director of Educational Field Experiences.**

## Bachelor of Science in Education, Elementary-Secondary Program (K-12 Certification)

Completion of this curriculum, other University requirements, and an overall grade point average of 2.50 on a 4.00 scale qualifies a student to receive a Bachelor of Science in Education degree.

Candidates for this program must complete a major in one of the following areas: art, modern language or music.

These majors may be combined with other majors and/or minors.

The number of hours in the major, minor, and elective categories may vary depending on the major and minor selected. Care should be exercised in choosing courses to assure a minimum of 40 semester hours of senior college work in courses numbered above 300.

All degrees in education are subject to state requirements which may change at any time due to action of the State Board of Education.

The Secondary Education Program is being revised. Teacher Education candidates should consult with their advisor for details about their program.

<b>B.S. Ed. Degree Requirements, Elem./Sec. Program</b>	<b>Semester Hours</b>
<b>General Education Requirements (See pages 70-72.)</b>	<b>42</b>
Students complete the general requirements as listed under B.S.Ed., Secondary Program (See page 293.) See general requirements for teacher certification.	
<b>Degree Requirement</b>	<b>3</b>
Ed 61-569 Multiculturalism in Education (3) <b>OR</b> Lang 14-100 level "Communication and Culture" Modern Languages course (3)	
<b>Professional Education Requirements</b>	<b>29-30</b>
Sec Ed 65-260 Secondary Teaching Practicum I	1
Sec Ed 65-360 Secondary Teaching Practicum II	1
Read/Sp 66-371 Introduction to Special Education	2
Psych 08-303 Educational Psychology	Directed General Education
Psych 08-322 Adolescent Psychology	2
CSIS 44-130 Computers and Information Technology	3
Special methods in education (See department course listings)	2-3
A special methods course must be completed with each major or minor which carries 9-12 or K-12 certification	
**Ed 61-461 School and Society	3
**Read/Sp 66-353 Teaching Reading in Content Areas	2
**Sec Ed 65-485 Secondary Methods and Techniques	3
**Ed 61-490 Directed Teaching in Elementary and Secondary School	10
<b>Major or Major/Minor Requirements and Electives</b>	<b>55-60</b>
<b>TOTAL MINIMUM ACADEMIC HOURS</b>	<b>124</b>

\*\* These courses are to be taken during the "professional trimester." Other courses may be taken during the "professional trimester" only with the permission of the Director of Educational Field Experiences.

Special Education majors should consult with their advisor for program substitutions for Sec Ed 65-485, Psych 08-322 and Read/Sp 66-353.

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## Course Descriptions

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### Education (General) / 61

#### 210 Field Experience in Diversity (1 hour)

The purpose of this course is to gain an understanding of people in a different culture and to become sensitive to their uniqueness. The course is a vehicle by which undergraduates in the teacher education program can experience diversity in a real-world setting, thus meeting the program's diversity requirement. (SS)

#### 412 Audio-Visual Aids (2 hours)

An introductory course designed to familiarize teachers with the general types of audio-visual aids. (F)

#### 461 School and Society (3 hours)

A survey of the sociological, philosophical, historical and legal foundations of education with special emphasis on staffing patterns, multicultural needs, career opportunities, organizational patterns and school/community relations. (Secondary and Elementary-Secondary degree candidates must enroll in Read/Sp 66-353, Sec Ed 65-485, 490 and/or Ed 61-490 during their professional trimester.) (F, S, SS)

#### 490 Directed Teaching in Elementary and Secondary School (10 hours)

This course is offered only for those seeking K-12 certification in art, music and modern languages. (F, S)

#### 511 Instructional Materials and Equipment (2 hours)

Develops a basic pattern for the preparation of instructional materials, discusses the principles and practices and the utilization of these materials, and provides for instruction for the proper use of equipment in various types of school and educational programs. (F)

#### 528 Teaching of the Gifted (3 hours)

Methods, techniques and materials used in the teaching of the gifted. (S, even years)

#### 530 Problems of Adult Education (2 hours)

An overview of the growth and need for continuous education through adulthood; emphasis is

placed on programs, surveying community needs and coordination of community agencies. (F, even years)

#### 550 Trends in Curriculum Development (1-3 hours)

This course is designed to assist teachers and/or administrators in general curriculum design, revision and/or evaluation. (F, S, SS)

#### 551 Trends in Language Arts (1-3 hours)

This course is designed to update teachers in methods, techniques and innovations in teaching language arts. (F, S, SS)

#### 552 Trends in Social Studies (1-3 hours)

This course is designed to update teachers in methods, techniques and innovations in teaching social studies (F, S, SS)

#### 553 Trends in Mathematics (1-3 hours)

This course is designed to update teachers in methods, techniques and innovations in teaching mathematics. (F, S, SS)

#### 554 Trends in Science (1-3 hours)

This course is designed to update teachers in methods, techniques and innovations in teaching science. (F, S, SS)

#### 556 Trends in Classroom Management (1-3 hours)

This course is designed to update teachers in methods, techniques and innovations in teaching classroom management and discipline. (F, S, SS)

#### 557 Trends in Computer Use in Education (1-3 hours)

This course is designed to update teachers in educational uses of computers. (F, S, SS)

#### 558 Trends in Motivational Techniques (1-3 hours)

This course is designed to update teachers in methods, techniques and innovations in classroom motivation of students. (F, S, SS)

#### 559 Trends in Instructional Techniques (1-3 hours)

This course is designed to update teachers in general instructional methods and techniques for the classroom. (F, S, SS)

**569 Multiculturalism in Education (3 hours)**

This course is designed to impart a knowledge of and sensitivity to issues which foster potential prejudices and discrimination. These issues include race, national origin, sexism, religion, handicaps (physical and mental), economic position and others. Methodology in humanizing the curriculum, sensitivity issues, historical perspectives, and means by which dehumanizing biases may be recognized in instructional materials also shall be included in the content of this course. Prerequisite: Junior classification. (F, S, SS)

**585 Co-Curricular Activities (3 hours)**

The importance of co-curricular activities is studied through the philosophy and practices of these activities in the modern school. Also emphasized is the role of the teacher-sponsor in the program. (F, even years)

**Early Childhood and Elementary Education / 63****211 Observation and Activity in the Elementary School (1 hour)**

The student assists the elementary or middle school teacher with both non-instructional and limited instructional responsibilities in the student's area of specialization. A portion of the course is devoted to periodic discussion sessions. (F, S)

**216 Literature for the Elementary School (3 hours)**

Selection and presentation of literature at the various levels of the elementary school. (F, S)

**340 Principles of Early Childhood Education (2 hours)**

This course introduces students to the philosophical and theoretical frameworks of early childhood education. Includes observation and analysis in varied early childhood settings. (F, S)

**407 Elementary School Language Arts Practicum (1 hour)**

Supervised practice in teaching language arts. Prerequisite: Read/Sp 66-356. (F, S, SS)

**410 Elementary School Social Studies (3 hours)**

An examination of the content, teaching techniques, instructional materials and role of social studies in today's elementary school. Course includes both classroom and practicum experiences. (F, S, SS)

**420 Classroom Management/ Discipline and Content Instruction (3 hours)**

Preservice teachers will develop the knowledge and strategies necessary for successful classroom management and discipline for students who exhibit a wide range of behavioral needs and characteristics, including learners with special needs. In addition, teachers in-training will apply knowledge and strategies in a classroom setting during the clinical component of the class. Preservice teachers will develop knowledge in the content areas and teach content area subjects (math, science and social studies) under the guidance and supervision of a faculty member and a cooperating teacher in a classroom setting. Prerequisites: Elem Ed 63-410, Sci Ed 28-380 and Math 17-471. (F, S, SS)

**490 Directed Teaching in the Elementary School (1-18 hours)**

A gradual induction into teaching in the elementary school is provided through a progression which includes observation of the children and the work of the cooperating teacher, gradual participation, and finally directed teaching under the supervision of the cooperating teacher and the college coordinator. The candidate must have adequately fulfilled the requirements as set up by the College of Education and Human Services. Prerequisite: Permission of director of educational field experiences. (F, S)

**491 Directed Teaching Early Childhood (1-18 hours)**

A gradual induction into teaching in an early childhood setting through a progression which includes observation of the children and the work of the cooperating teacher, gradual participation, and finally directed teaching under the supervision of the cooperating teacher and the college coordinator. Prerequisite: Permission of director of educational field experiences. (F, S)

**519 Problems in Elementary Education (1-4 hours)**

This course is designed to meet the individual student's educational needs. The studies may be either of a subjective or objective research nature. (F, S, SS)

**525 Elementary Curriculum in Corollary Fields (3 hours)**

This course is designed to familiarize administrators and teachers with the curriculum areas of art, music, and physical education facets of the elementary school's program. (SS, even years)

**531 Curriculum and Methods in Early Childhood (3 hours)**

A gradual induction into planning, creating and integrating developmentally appropriate curriculum and materials for working with children birth through grade 3. Prerequisite: Elem Ed 63-340. (S, SS)

**532 Family and Community Resources in Early Childhood (2 hours)**

Study of family and community resources used in working with parents and children, birth through grade 3. Prerequisite: Elem Ed 63-340 or permission of instructor. (F, SS)

**541 Identifying and Prescribing Instruction in Early Childhood Education (3 hours)**

A survey of varied formal and informal evaluation techniques to help teachers screen, diagnose and prescribe instruction for educationally high risk children. Emphasis is placed upon the prevention and correction of developmental deficits. Prerequisites: Elem Ed 63-340 and 531 or permission of instructor. (S, SS)

**543 Practicum in Early Childhood (4 hours)**

Supervised practice in evaluation and teaching children from birth through grade 3. Prerequisites: Elem Ed 63-340, 531 and 541 or permission of instructor. (F, S, SS)

**Middle School and Secondary Education /65****260 Secondary Teaching Practicum I (1 hour)**

Observation and participation in the secondary or junior high school with both non-instructional and limited instructional responsibilities. A portion of this course is devoted to periodic discussion sessions. May not be taken during the same trimester as Sec Ed 65-360. (F, S, SS)

**262 Middle School Teaching Practicum I (1 hour)**

Observation and participation in the middle school (grades 5-9) with both non-instructional and limited instructional responsibilities. A portion of the course is devoted to periodic discussion sessions. (F, S, SS)

**360 Secondary Teaching Practicum II (1 hour)**

Emphasizes practical teaching skills to include observation and practice in a supervised classroom situation and to promote lifelong habits of professional development. Prerequisite: Sec Ed 65-260 or equivalent. May not be taken during the same trimester as Sec Ed 65-260. (F, S, SS)

**362 Middle School Teaching Practicum II (1 hour)**

Continues the observation and teacher-aide activities of Middle School Teaching Practicum I and gives the prospective middle school teacher additional background in practical teaching skills to observe and to practice in a supervised classroom situation. Emphasis is given to using practical approaches to "everyday" classroom instruction and activities. Prerequisite: Sec Ed 65-262 or equivalent. (F, S, SS)

**430 Teaching Writing in Middle School (2 hours)**

A study of the methods and materials for teaching the process of writing to middle school students. Content includes: developmental stages of writing, the writing process, writing evaluation, writing across the curriculum, creating a stimulating writing environment and the use of technology in writing. (F, SS)

**485 Secondary Methods and Techniques (3 hours)**

Provides a sequence of laboratory experiences in a variety of basic teaching methods and skills such as questioning techniques, reinforcement, stimulus variation, use of illustrations and examples, demonstrations and disciplinary procedures. Also included are an introduction to innovative instructional methods, a unit on use of instructional technology and a unit on evaluative procedures. Secondary and elementary/secondary degree candidates must enroll in Read/Sp 66-353, Ed 61-461, Sec Ed 65-490 and/or Ed 61-490 during their professional trimester. (F, S)

**490 Directed Teaching in the Secondary School (10 hours)**

A gradual induction into teaching in the secondary school is provided through a progression which includes observation of the students and the work of the cooperating teacher, gradual participation, and finally, directed teaching under the supervision of the cooperating teacher and the college coordinator. Prerequisite: Permission of director of educational field experiences. (F, S)

**491 Directed Teaching in the Middle School (1-18 hours)**

A gradual induction into teaching in the middle school is provided through a progression which includes observation of the student and the cooperating teacher, gradual participation, and finally directed teaching under the supervision of the cooperating teacher and the college coordinator. Prerequisite: Permission of director of educational field experiences. (F, S)

**511 Middle School Curriculum, Methods and Practicum (3 hours)**

Methods and techniques of teaching, practicum experience and curriculum construction for the middle and junior high school with attention given to early adolescent development. (F)

**520 Techniques of Classroom Management and Discipline (2 hours)**

Designed to assist present or prospective teachers in developing classroom and behavior management techniques (F)

**570 The Middle School (3 hours)**

Designed to acquaint prospective or experienced teachers and administrators with the functions, organization, curriculum and personnel associated with the middle and junior high school; with concentration on the early adolescent/transient learner. (S, SS, even years)

**598 Problems—Secondary (1-4 hours)**

Designed to meet individual student's needs in independent study. The study topic must be approved by the instructor. (F, S, SS)

**Reading and Special Education / 66****110 Strategies for College Reading (1 hour)**

A basic course designed to improve student reading ability through group and individualized instruction for students who need additional reading skills to succeed at the University level. (F, S)

**301 Reporting Pupil Progress (2 hours)**

A study of group measurement, evaluation, interpretation and counseling techniques used with students, parents and other school personnel. (F, S, SS)

**353 Teaching Reading in Content Areas (2 hours)**

Topics will focus on basic reading skills as rele-

vant to all academic areas in the junior and senior high schools, with additional attention to specialized skills of reading as related to particular content materials. Secondary and elementary/secondary candidates must enroll in Ed 61-461, Sec Ed 65-485, Sec Ed 65-490 and/or Elem Ed 61-490 during their professional trimester. (F, S)

**356 Teaching Reading/Language Arts in the Elementary School (4 hours)**

This course has been designed to provide methods of instruction for an integrated elementary/middle school reading and language arts program. Emphasis will be placed on methods, materials and teaching approaches which will assist children in developing the lifelong communication skills of listening, speaking, reading and writing. (F, S, SS)

**371 Introduction to Special Education (2 hours)**

Provides participants with knowledge and understanding about the identification of exceptional children, methods of working with exceptional children and sources of referral available to parents and teachers. (F, S, SS)

**380 Diagnostic and Corrective Reading (2 hours)**

Diagnostic techniques and procedures for the correction of learning problems in reading. Prerequisites: Read/Sp 66-301 and 356. (F, S, SS)

**382 Introduction to Cross Categorical Special Education (3 hours)**

Designed to develop knowledge of the issues and characteristics of individuals with mild/moderate disabilities (e.g., mental retardation, learning disabilities, behavior disorders and/or physical and other health impaired, including ADHD) and to provide information and organizational techniques to meet their educational needs in a cross categorical setting. Students will develop the conceptual frameworks needed to identify and interpret a broad range of student behavior and deficits from a cross-categorical perspective. Prerequisite: Read/Sp 66-371. (S)

**384 Teaching Students in Cross Categorical Special Education: Academic/Behavioral (3 hours)**

Designed to equip teachers-in-training with the knowledge and skills to effectively teach students with mild/moderate academic and/or behavioral disabilities. This is one of two methods courses (with no required sequence) required for



the major in Special Education: Cross Categorical. Prerequisites: Read/Sp 66-371 and 382. (F)

**385 Teaching Students in Cross Categorical Special Education: Academic/Behavioral, Secondary (3 hours)**

Designed to equip teachers-in-training with the knowledge and skills to effectively teach adolescents and young adults with mild/moderate academic and/or behavioral disabilities. This is one of two methods courses (with no required sequence) required for the major in Special Education: Cross Categorical. Permission of advisor/instructor needed to enroll. Prerequisites: Read/Sp 66-371 and 382. (F)

**386 Teaching Students in Cross Categorical Special Education: Functional/Physical (3 hours)**

Designed to equip teachers-in-training with the knowledge and skills to effectively teach students with mild/moderate functional and/or physical and other health impairments. This is one of two methods courses (with no required sequence) required for the major in Special Education: Cross Categorical. Prerequisites: Read/Sp 66-371 and 382. (S)

**387 Teaching Students in Cross Categorical Special Education: Functional/Physical, Secondary (3 hours)**

Designed to equip teachers-in-training with the knowledge and skills to effectively teach adolescents and young adults with mild/moderate functional and/or physical and other health impairments. This is one of two methods courses (with no required sequence) required for the major in Special Education: Cross Categorical. Permission of instructor needed to enroll. Prerequisites: Read/Sp 66-371 and 382. (S)

**444 Practicum in Special Education: Cross Categorical (3 hours)**

Supervised clinical experience that includes interpretation of intelligence tests, formal and informal diagnostic procedures, prescriptive instruction and practical application of teaching strategies and behavior management techniques. Prerequisites: Read/Sp 66-384 or 385, Read/Sp 66-386 or 387, Read/Sp 66-470 and 471. (F, S)

**456 Practicum and Seminar in Elementary School Reading (3 hours)**

Supervised practice in teaching reading with

weekly seminars regarding problems in the teaching of reading. Prerequisite: Read/Sp 66-356. (F, S, SS)

**470 Assessment in Special Education (3 hours)**

Instruction in administration and interpretation of formal and informal assessment instruments, interpretation of individualized intelligence tests and instruction in authentic assessment measures in order to design appropriate intervention programs for students with special instructional needs. Must be enrolled concurrently in Read/Sp 66-471. Prerequisites: Read/Sp 66-301 and 371. (F, S)

**471 Assessment in Special Education Lab (1 hour)**

Students will have the opportunity to administer assessments and develop evaluation plans, IEPs and other documents within the special education process. In addition, diagnosing student needs and prescribing appropriate educational interventions will be emphasized. Prerequisite: Must be enrolled concurrently in Read/Sp 66-470. (F, S)

**496 Directed Teaching in Early Childhood Special Education (1-9 hours)**

A gradual induction into teaching children in a preschool special education environment with emphasis on interpretation of individual tests and application of behavior management techniques. Prerequisite: Permission of director of educational field experiences. (F, S)

**497 Directed Teaching in Cross Categorical Special Education: Elementary (1-9 hours)**

A gradual induction into teaching students with mild disabilities in a cross categorical setting (elementary) through a progression which includes interpretation of intelligence tests, formal and informal diagnostic procedures, prescriptive instruction and practical application of teaching strategies and behavior management techniques. Prerequisite: Permission of director of educational field experiences. (F, S)

**498 Directed Teaching in Cross Categorical Special Education: Secondary (1-9 hours)**

A gradual induction into teaching students with mild disabilities in a cross categorical setting (secondary) through a progression which includes interpretation of intelligence tests, formal and

informal diagnostic procedures, prescriptive instruction and practical application of teaching strategies and behavior management techniques. Prerequisite: Permission of director of educational field experiences. (F, S)

#### 504 Creating Inclusive Classrooms (3 hours)

Designed to provide a framework for creating learning environments that support the learning and socialization of students who bring unique characteristics to the classroom. Teachers will develop effective techniques and methods for all students including: those who are at risk for success or who have disabilities; the gifted and talented; those whose diversity lies in their culture, language, race, gender, sexual orientation, or family structure. Prerequisites: At least two of the following courses: Read/Sp 66-356, Sci Ed 28-380, Math 17-471 or Elem Ed 63-410. (S)

#### 508 Transition/Career Education for Students with Disabilities (2 hours)

Acquaints student with the principles, methods and procedures of career development and transition for students with disabilities. (S, SS, odd years)

#### 522 Technology for Teaching and Learning (3 hours)

Students will learn about various technologies, applications, procedures and assessment to facilitate the learning of students with disabilities. Topics include assessment, levels of assistive technology services and devices, use of word processing, spreadsheet, and database software in the classroom, student and teacher productivity applications, legal, ethical issues regarding technology in the classroom and instructional software. (F, on-line, odd years)

#### 540 Behavior Management Techniques (3 hours)

This course is designed to provide teachers-in-training with both technical and functional understanding of applied behavior analysis, as well as strategies for the everyday applications of behavior management in classrooms and other educational settings. Prerequisites: Read/Sp 66-371, 382 and 66-384 or 385. Graduate students should have completed Read/Sp 66-371 or 66-671 and 590. (F, SS)

#### 542 Curriculum and Methods in Early Childhood Special Education (3 hours)

This course is designed to develop skills which enable the prospective teacher of the young child with special needs (birth to age five years), to (1) plan and organize appropriate curriculum content and learning sequences; (2) identify and implement appropriate instructional strategies, techniques and environments; and (3) work effectively with parents and families, as well as other professionals and caregivers. Prerequisites: Elem Ed 63-340 or 531, 63-541, Read/Sp 66-470 or 652. (S, odd years, and SS, even years)

#### 544 Practicum in Early Childhood Special Education (3 hours)

Supervised practice in early childhood teaching, interpreting individualized tests, and application of behavior management techniques with pre-school handicapped children. Prerequisite: Read/Sp 66-542. (S)

#### 553 The Reading Program in the Secondary School (3 hours)

A course for specialized personnel in reading at the secondary level. Topics will focus on means for identifying students' basic and developmental skill needs as well as materials and techniques for instruction. Prerequisite: Read/Sp 66-353 or 6 hours in reading courses. (S, SS)

#### 555 Trends in Reading (1-3 hours)

This course is designed to update teachers in methods, techniques and innovations in teaching reading. (F, S, SS)

#### 563 Trends in Special Education (1-3 hours)

This course is designed to update teachers in methods, techniques and innovations in special education. (F, S, SS)

#### 570 Problems Teaching Language Arts to the Exceptional Learner (1 hour)

Methods and materials used in teaching language arts to the exceptional learner. (F, S, SS)

#### 571 Problems Teaching Science to the Exceptional Learner (1 hour)

Methods and materials used in teaching science to the exceptional learner. (F, S, SS)

**572 Problems Teaching Social Studies to the Exceptional Learner (1 hour)**

Methods and materials used in teaching social studies to the exceptional learner. (F, S, SS)

**573 Problems Teaching Children's Literature to the Exceptional Learner (1 hour)**

Methods and materials used in teaching children's literature to the exceptional learner. (F, S, SS)

**574 Teaching Math to Students with Disabilities (2 hours)**

Methods and materials used in teaching remedial math to the exceptional learner. (F, SS)

# Department of Family and Consumer Sciences / 15

**Chairperson:** Frances Shipley

**Faculty:** Susan Baker, Jenell Ciak, Beth Goudge, Patricia Gross, Lauren Leach

## Statement of Mission

The Department of Family and Consumer Sciences engages in the scholarship of teaching, discovery and outreach with the ultimate goal of sustaining and enhancing the quality of life for individuals and families in a complex and dynamic world. The department prepares students for careers in child and family studies; foods and nutrition; merchandising of textiles, apparel, and furnishings; family and consumer sciences education; and for graduate education in these and other related areas. Educational experiences offer many opportunities to bridge theory to practice through laboratories, supervised practica, internships and departmental organizations.

## DEGREES AND PROGRAMS

The Department of Family and Consumer Sciences offers programs which lead to the following degrees: Bachelor of Science and Bachelor of Science in Education.

Programs leading to the above degrees are provided in selected areas of dietetics and restaurant food service management; child and family studies; merchandising of textiles, apparel and furnishings; and family and consumer sciences education. These programs provide strong professional/paraprofessional expertise with a broad base of knowledge in general studies, in family and consumer sciences, and in specialized professional skills allowing graduates entry into specialized areas of family and consumer sciences, teaching, graduate or professional study.

## Goals

Programs in the department specifically seek to prepare professionals who (a) understand and appreciate the importance of the family as an institution which fosters the optimum development of each individual; (b) guide the critical examination and application of concepts, principles and generalizations unique to family and consumer sciences; (c) achieve and communicate expertise in areas which contribute to the quality of life for individuals and families; (d) achieve expertise in managing personal and family resources to attain consciously-derived goals and values; (e) synthesize interdisciplinary knowledge for effective participation in the total economic and cultural systems; (f) have insight into the interrelationships of specialized areas as they relate to the root disciplines and within family and consumer sciences; (g) have competencies to work cooperatively with other agencies and institutions within the region; (h) have appreciation for applied research as it contributes to the continued development of family and consumer sciences; and (i) clearly articulate the holistic philosophy to contribute to the optimum well-being of families and individuals.

## Accreditations

The programs offered by the department are accredited by the Council for Accreditation of the American Association of Family and Consumer Sciences, Washington, D.C. The Didactic Program in Dietetics is approved by The American Dietetic Association. The department is a member of the Missouri Restaurant Association. The Family and Consumer Sciences Education Program is fully accredited by NCATE and the Department of Elementary and Secondary Education in Missouri.

## Advanced Standing Requirement

Students majoring in programs in Family and Consumer Sciences must meet the Family and Consumer Sciences requirement for advanced standing, which requires that every student must complete 15 credit hours including Eng 10-111, Eng 10-112, Com 29-102, a course meeting the Mathematics requirement, and CSIS 44-130 by the end of the sophomore year. A student must present a cumulative grade point average of 2.00 in the courses required for advanced standing in Family and Consumer Sciences. In addition, all Family and Consumer Sciences majors must complete a 100- or 200-level course required for their major and FCS 15-201 before being permitted to take any 300- or 400-level course within the Family and Consumer Sciences Department.

All senior year students seeking the B.S. or B.S.Ed. in any major within the Department of Family and Consumer Sciences are required to take the Departmental Senior Examination and present a portfolio. These are graduation requirements.

## MAJORS

Major in Child and Family Studies, 44-46 hours: B.S.—Minor Required

This program prepares graduates to work with home and community-based programs serving children, families, older adults and other special populations. In addition, graduates may assume positions in governmental agencies, administration of child care programs, children's protection services, family planning and family life education and older adult programs.

General Education requirements must include Bio 04-102/103 General Biology and Lab, and either Soc 35-101 General Sociology or Econ 52-150 General Economics I or Econ 52-130 Survey of Economics.

### Required Courses

### Semester Hours

#### Family and Consumer Sciences Core

FCS 15-201 Foundations and Careers in Family and Consumer Sciences	2
FCS 15-401 Issues in Family and Consumer Sciences	3

#### Specialization Requirements

FCS 15-212 Administration of Child Care Programs OR	
FCS 15-316 Gerontology OR	
FCS 15-540 The Adult Learner	3
FCS 15-214 Human Development	3
FCS 15-250 Contemporary Housing	3
FCS 15-310 Family Relationships	3
FCS 15-312 Child Development	3
FCS 15-322 Consumer Economics and Personal Finance	3
FCS 15-330 Preschool and Elementary Nutrition Education OR	
FCS 15-234 Nutrition and Diet Behavior	2
FCS 15-410 Parenthood Education	3

FCS 15-412 Family Theory and Application	3
FCS 15-424 Family Resource Management/Consumer Policy Issues	3
FCS 15-526 Independent Living for Special Populations	3

**Professional Requirements** **1-3**

FCS 15-413 Child Development Practicum OR	
FCS 15-470 Internship in Family and Consumer Sciences OR	
FCS 15-418 Problems-Child Development and Family Relations (1-3)	

**Interdepartmental Requirements**

CSIS 44-130 Computers and Information Technology	3
Geog 32-102 People and Cultures of the World OR	
Lang 14-100 Level Course	3

Comprehensive Major in Foods and Nutrition  
(Didactic Program in Dietetics; Restaurant and Food Service Management), 69-72 hours: B.S.—No Minor Required

This program provides two options for persons desiring a career in foods and nutrition. Option I is approved by the American Dietetic Association as a Didactic Program in Dietetics leading to an ADA approved supervised experience in dietetic practice and examination for registered dietician. Option II provides a strong background in nutrition and food management, with supporting courses in business management for persons desiring a career in restaurant and food service management and is approved by the Missouri Restaurant Association.

General Education requirements must include Bio 04-102/103 General Biology and Lab, Math \*17-114 General Statistics, Chem 24-112/113 General Chemistry and Lab, Soc 35-101 General Sociology and Phil 39-274 Introduction to Ethics.

**\*Required for Option I: Dietetics only.**

**Required Courses** **Semester Hours**

**Family and Consumer Sciences Core**

FCS 15-201 Foundations and Careers in Family and Consumer Sciences	2
FCS 15-401 Issues in Family and Consumer Sciences	3

**Specialization Requirements**

FCS 15-110 Family and Individual Wellness	3
FCS 15-230 Food Science	4
FCS 15-232 Food Service Management	2
FCS 15-234 Nutrition and Diet Behavior	2
FCS 15-236 Food Service Sanitation and Quality Assurance	2
FCS 15-322 Consumer Economics and Personal Finance	3
FCS 15-332 Quantity Food Preparation	2
FCS 15-333 Quantity Food Preparation Laboratory	2
FCS 15-334 Community Nutrition	3
FCS 15-350 Home Equipment Technology	2

**Professional and Interdepartmental Requirements**

**Option I: Dietetics**

Mgmt 54-313 Principles of Management	3
FCS 15-214 Human Development	3
FCS 15-432 Advanced Nutrition	3
(Chem 24-242/243 Organic Chemistry prerequisite)	
FCS 15-434 Diet Therapy	3
FCS 15-540 The Adult Learner	3

FCS 15-573 Trends in Food and Nutrition	2
Chem 24-242/243 Organic Chemistry I and Laboratory	4
Bio 04-104 Medical Terminology	3
Bio 04-140 General Microbiology	4
Bio 04-438 Human Physiology	4
Chem 24-362/363 Elementary Biochemistry and Laboratory	4
CSIS 44-130 Computers and Information Technology	3
Geog 32-102 People and Cultures of the World	3

### **Option II: Restaurant and Food Service Management**

Acct 51-201 Accounting I	3
*Econ 52-150 General Economics I	3
Fin 53-311 Business Law I	3
Mgmt 54-313 Management Process and Behavior	3
Mgmt 54-314 Human Resource Management	3
Mkt 55-330 Principles of Marketing	3
CSIS 44-317 Management Information Systems	3
FCS 15-150 Creating Aesthetic Environments	3
FCS 15-338 Practicum in Food Service Occupations OR	
FCS 15-439 Field Experience in Food Service Management	1
FCS 15-430 Advanced Food Service Management	2
FCS 15-540 The Adult Learner	3
Psych 08-313 Industrial and Organizational Psychology	3
CSIS 44-130 Computers and Information Technology	3
Geog 32-102 People and Cultures of the World	3

\*Cannot be used to fulfill any General Education requirement.

### Comprehensive Major in Merchandising of Textiles, Apparel and Furnishings, 64-66 hours: B.S.—No Minor Required

This program prepares individuals for positions such as buyer, fashion coordinator, store and merchandise manager, visual merchandiser, industry fashion expert and consultant, manufacturer sales representative, catalogue coordinator, and interior consultant working with display, model homes, retail (furniture/furnishings and accessories), department stores and decorating shops.

General Education requirements must include Math 17-118 College Algebra, Bio 04-102/103 General Biology and Lab, Chem 24-112/113 General Chemistry and Lab OR Phy 25-110/111 General Physics and Lab, and Econ 52-150 General Economics I.

### **Required Courses** **Semester Hours**

#### **Family and Consumer Sciences Core**

FCS 15-201 Foundations and Careers in Family and Consumer Sciences	2
FCS 15-401 Issues in Family and Consumer Sciences	3

#### **Specialization Requirements**

FCS 15-150 Creating Aesthetic Environments	3
FCS 15-160 Apparel Selection	3
FCS 15-266 Textile and Apparel Industries	3
FCS 15-322 Consumer Economics and Personal Finance	3
FCS 15-350 Home Equipment Technology	2
FCS 15-362 Textiles	3
FCS 15-366 Merchandising	3

FCS 15-368 Visual Merchandising	2
FCS 15-435 Internship in Merchandising	1-3
FCS 15-450 Merchandising of Furnishings and Accessories	3
FCS 15-466 Analysis of Sewn Products	3

**Professional and Interdepartmental Requirements**

Acct 51-201 Accounting I	3
Acct 51-202 Accounting II	3
Fin 53-311 Business Law I	3
Mgmt 54-313 Management Process and Behavior	3
Mkt 55-330 Principles of Marketing	3
Mkt 55-331 Retailing	3
Mkt 55-332 Promotion	3
Mkt 55-430 Sales and Sales Management	3
CSIS 44-130 Computers and Information Technology	3
Geog 32-102 People and Cultures of the World OR	
Lang 14-100 Level Course	3

Comprehensive Major in Family and Consumer Sciences Education,  
49-50 hours: B.S.Ed., Secondary Program—No Minor Required  
(Certifies Birth-Grade 12)

This program meets Missouri's requirements for a vocational certificate to teach family and consumer sciences birth through grade 12.

General Education requirements must include Bio 04-102/103 General Biology and Lab, Chem 24-112/113 General Chemistry and Lab, and Soc 35-101 General Sociology.

**Required Courses** **Semester Hours****Family and Consumer Sciences Core**

FCS 15-201 Foundations and Careers in Family and Consumer Sciences	2
FCS 15-401 Issues in Family and Consumer Sciences	3

**Specialization Requirements**

FCS 15-110 Family and Individual Wellness	3
FCS 15-150 Creating Aesthetic Environments	3
FCS 15-160 Apparel Selection	3
FCS 15-214 Human Development	3
FCS 15-230 Food Science	4
FCS 15-234 Nutrition and Diet Behavior	2
FCS 15-250 Contemporary Housing	3
FCS 15-310 Family Relationships	3
FCS 15-312 Child Development	3
FCS 15-322 Consumer Economics and Personal Finance	3
FCS 15-410 Parenthood Education	3
FCS 15-424 Family Resource Management/Consumer Policy Issues	3
FCS 15-542 Foundations in Family and Consumer Sciences Education	3
Approved Elective in FCS Education or Education	2-3

**Professional and Interdepartmental Requirements**

*Econ 52-150 General Economics I	3
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\*Cannot be used to fulfill any General Education requirement.

See page 293 for complete listing of requirements for the B. S. Ed in Secondary Education. (FCS 15-580 Methods in Family and Consumer Sciences and FCS 15-490 Directed Teaching in Vocational Family and Consumer Sciences Education are required specifically for this major.)



## MINORS

Minor in Administration of Child Care Programs, 24 hours: B.S.  
(Not available to Child and Family Studies majors)

Advisor: Ms. Susan Baker

<b>Required Courses</b>	<b>Semester Hours</b>
FCS 15-212 Administration of Child Care Programs	3
FCS 15-214 Human Development (Psychology majors may substitute an additional FCS elective)	3
FCS 15-310 Family Relationships	3
FCS 15-312 Child Development	3
FCS 15-410 Parenthood Education	3
FCS 15-412 Family Theory and Application	3
FCS 15-413 Child Development Practicum	3
Family and Consumer Sciences elective	3

Minor in Family Life and Resource Management, 24 hours: B.S.  
(Not available to Child and Family Studies majors)

Advisor: Dr. Lauren Leach

<b>Required Courses</b>	<b>Semester Hours</b>
FCS 15-214 Human Development (Psychology majors may substitute an additional FCS elective)	3
FCS 15-310 Family Relationships	3
FCS 15-312 Child Development	3
FCS 15-322 Consumer Economics and Personal Finance	3
FCS 15-410 Parenthood Education	3
FCS 15-412 Family Theory and Application	3
FCS 15-424 Family Resource Management/Consumer Policy Issues	3
Family and Consumer Sciences elective	3

Minor in Food Service, 24 hours: B.S.

(Not available to Foods and Nutrition majors)

Advisor: Dr. Jenell Ciak

<b>Required Courses</b>	<b>Semester Hours</b>
FCS 15-230 Food Science	4
FCS 15-232 Food Service Management	2
FCS 15-234 Nutrition and Diet Behavior	2
FCS 15-236 Food Service Sanitation and Quality Assurance	2
FCS 15-332 Quantity Food Preparation	2
FCS 15-333 Quantity Food Preparation Laboratory	2
FCS 15-350 Home Equipment Technology	2
FCS 15-430 Advanced Food Service Management OR FCS 15-439 Field Experience in Food Service Management	2
<b>Choose 6 hours from the following courses:</b>	<b>6</b>
Acct 51-201 Accounting I (3)	
Mgmt 54-313 Principles of Management (3)	
Mkt 55-330 Principles of Marketing (3)	
Mgmt 54-314 Human Resource Management (3)	
Fin 53-311 Business Law I	

Minor in Nutrition, 23-24 hours: B.S.  
 (Not available to Foods and Nutrition Majors)  
 Advisor: Dr. Jenell Ciak

General Education requirements must include Bio 04-102/103 General Biology and Lab or Bio 04-114/115 General Zoology and Lab; Chem 24-112/113 General Chemistry and Lab or Chem 24-114/115 General Chemistry I and Lab.

<b>Required Courses</b>	<b>Semester Hours</b>
FCS 15-230 Food Science	4
FCS 15-234 Nutrition and Diet Behavior	2
FCS 15-236 Food Service Sanitation and Quality	2
FCS 15-334 Community Nutrition	3
FCS 15-573 Trends in Foods and Nutrition	2
FCS 15-432 Advanced Nutrition	3
<b>Choose 4 hours from the following courses</b>	<b>4</b>
Chem 24-242/243 Organic Chemistry and Laboratory (4) OR	
Chem 24-342/343 Organic Chemistry I and Laboratory (4) OR	
Chem 24-362/363 Elementary Biochemistry and Laboratory (4)	
<b>Choose 3-4 hours from the following courses</b>	<b>3-4</b>
Bio 04-436 Human Anatomy (4)	
Bio 04-438 Human Physiology (4)	
PE 22-254 Anatomy and Physiology (3)	
PE 22-332 Physiology of Exercise (3)	

General Education requirements are listed above. Refer to appropriate course descriptions for prerequisites for science courses.

Interdisciplinary Minor in Gerontology, 24 hours: B.S.  
 Advisor: Dr. Patricia Gross

<b>Required Courses</b>	<b>Semester Hours</b>
FCS 15-316 Gerontology	3
Psych 08-383 Psychology of Aging	3
Com 29-345 Geriatric Communication Disorders OR	
Com 29-553 Language, Speech and Hearing of the Exceptional Child and Adult	3
PE 22-410 Adapted Physical Education	3
FCS 15-540 The Adult Learner	3
<b>Choose 9 hours from the following courses to total 24 hours</b>	<b>9</b>
**FCS 15-214 Human Development (3) OR	
Psych 08-333 Developmental Psychology (3)	
FCS 15-526 Independent Living for Special Populations (3)	
Rec 45-243 Introduction to Therapeutic Recreation (3)	
Rec 45-245 Leisure Services and Special Populations (3)	
Rec 45-345 Therapeutic Recreation Program Design (3)	
PE 22-550 Community Health (3)	
Psych 08-223 Abnormal Psychology (3)	
Bio 04-104 Medical Terminology (3)	
Com 29-325 Listening Behavior and Skills (3)	
Com 29-335 Interpersonal Communication (3)	
Com 29-336 Body Language (3)	

\*\*Only majors other than FCS and Psychology may select one of these courses.

Minor in Family Life Education, 26 hours: B.S.Ed.  
 (Not available to Family and Consumer Sciences majors)  
 Advisor: Dr. Frances Shipley

**Certifies Grades 5-9 when completed with the Middle School Major**

<b>Required Courses</b>	<b>Semester Hours</b>
FCS 15-160 Apparel Selection	3
FCS 15-214 Human Development	3
FCS 15-234 Nutrition and Diet Behavior	2
FCS 15-310 Family Relationships	3
FCS 15-312 Child Development	3
FCS 15-322 Consumer Economics and Personal Finance	3
FCS 15-410 Parenthood Education	3
FCS 15-542 Foundations in Family and Consumer Sciences Education	3
FCS 15-580 Methods in Family and Consumer Sciences Education	3

**This minor may be used as a certification endorsement area for the major in middle school.**

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## Course Descriptions

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### Family and Consumer Sciences / 15

#### 110 Family and Individual Wellness (3 hours)

A study of wellness as a holistic approach to health as it impacts the well-being and lifestyle of families and individuals. (F, S)

#### 150 Creating Aesthetic Environments (3 hours)

A study of the principles of design and color in relation to the selection and arrangement of furniture within the home. (F, S)

#### 160 Apparel Selection (3 hours)

A study of the sociological, psychological, cultural, economic and aesthetic factors influencing clothing and appearance. (F, S)

#### 201 Foundations and Careers in Family and Consumer Sciences (2 hours)

A study of the systems approach as it relates to the family ecosystem, family systems and the structure of the profession of family and consumer sciences. Professional careers evolving from these systems will be investigated via contacts with professionals through structured ob-

servations at their daily jobs. Prerequisite: Completion of one 100- or 200-level course for majors in FCS. (S)

#### 212 Administration of Child Care Programs (3 hours)

A study of child care models and early childhood programs. Provides an in-depth analysis of program development, program philosophy, operational policies, budgetary process, staffing, record keeping, equipment selection, facility and program administration. Prerequisite: FCS 15-312 or by permission. (F, S)

#### 214 Human Development (3 hours)

A lifespan approach to learning, which explores the development of the infant and continues through adulthood to death. It integrates the physical, social, cognitive and emotional development of individuals as they function in family structures. (F, S)

#### 230 Food Science (4 hours)

A laboratory course with emphasis on the study of scientific principles of food preparation and on criteria for recognition and evaluation of standard products. Two hours lecture and 4 hours lab per week. (F)

**232 Food Service Management (2 hours)**

A laboratory course requiring application of principles of food buying and food preparation, menu planning, meal preparation and service. One hour lecture and 2 hours lab per week. Prerequisite: FCS 15-230 or by permission. (S)

**234 Nutrition and Diet Behavior (2 hours)**

An entry-level nutrition course which provides basic nutrition information. Coursework will include a self-assessment of nutrient intake utilizing computer analysis. (F, S)

**236 Food Service Sanitation and Quality Assurance (2 hours)**

An introductory food service course which surveys employment opportunities, areas of specialization, personal and professional qualifications, food service sanitation and quality assurance. (F, alt. years)

**250 Contemporary Housing (3 hours)**

A study of housing as it impacts on the social, psychological and economical needs of individuals and families. Using a team approach, students will investigate current issues relating to housing in preparation for professional and consumer roles. (F, S)

**260 Clothing Construction Techniques (3 hours)**

Basic clothing construction techniques including a laboratory for experimentation and practice with methods and materials. Emphasis on how and why, rather than on garment construction. One hour lecture and 5 hours lab per week. Prerequisite: FCS 15-160 or by permission. (S, alt. years)

**266 Textile and Apparel Industries (3 hours)**

History and organization of the textiles and apparel industries. Emphasis on changes occurring throughout the industries and implications these changes have for the merchandising of apparel products at both the production and retail levels. (F)

**300 Special Offerings (1-4 hours)**

Course which is offered on only one occasion or variable issue-oriented course which has the content described in the title.

**310 Family Relationships (3 hours)**

A study of the variety of styles of interpersonal relationships emphasizing self-knowledge and

understanding of individuals within relationships as a basic step in relating to others in dating, courtship, engagement, marriage and daily living. Includes exploration of types of relationships, communication patterns and alternative family forms. (F, S)

**312 Child Development (3 hours)**

A developmental approach to the study of children from birth to 12 years of age, integrating physical, social, emotional, cognitive and creative aspects of the child's total development. Observation and participation with children at the child development center and cooperating schools will be an integral part of the course. (F, S)

**316 Gerontology (3 hours)**

Provides an overview of the total process of aging and the changes that evolve in society and in the lives of individuals as others grow old ahead of us. Students will be encouraged to think positively and realistically about aging and elderly, and develop sensitivity to family and social and economic situations of older people. Prerequisite: Psych 08-103. (F)

**318 Practicum in Child and Family Service Occupations (1-3 hours)**

Supervised experience in such occupations as day care or institutional child care worker, geriatric worker or home companion, social service aide, or child care food services director. A job analysis will be an integral part of the work experience. Prerequisites: FCS 15-310 and 312 or permission of instructor. (F, S, SS)

**322 Consumer Economics and Personal Finance (3 hours)**

The role of the consumer in the marketplace, forces influencing consumer demand, and the broad social and economic implications of consumer behavior. (F, S)

**328 Practicum in Institutional and Home Management Occupations (1-3 hours)**

Supervised experience in occupations such as consumer relations assistant, shopping consultant, budget consultant, institutional house-keeper, and/or apartment manager. A job analysis will be an integral part of the work experience. Prerequisite: FCS 15-322 or 324. (F, S, SS)

**330 Preschool and Elementary Nutrition Education (2 hours)**

Basic principles of nutrition with focus on nutritional needs of children and on methods of teach-

ing children about foods and health. Designed for preschool and elementary education students; includes practical experience in coordinating nutritional classroom activities for children. (F, S)

### **332 Quantity Food Preparation (2 hours)**

A lecture course in basic quantity food preparation with emphasis on principles of preparation, identification of quality products, standardized recipes, safety and sanitation, care and supervision of food service equipment, organization of work place, work simplification and preparation of food. Prerequisite: FCS 15-232. (F, alt. years)

### **333 Quantity Food Preparation Laboratory (2 hours)**

Provides laboratory experience in quantity food preparation. Four hours lab per week. (F, alt. years)

### **334 Community Nutrition (3 hours)**

Fundamentals of nutrition care delivery in community programs; a survey of current public health nutrition problems of various stages of the life cycle; and the principles of nutrition assessment, planning, intervention and evaluation. Experiences in community nutrition programs will be required. Prerequisite: FCS 15-234. (S, alt. years)

### **338 Practicum in Food Service Occupations (1-3 hours)**

Supervised experience in various types of commercial food services such as short order, carry-out service, tray service in rest homes and hospitals, cafeterias, restaurants, and catering services. A job analysis will be an integral part of the work experience. Prerequisites: FCS 15-230 and 232. (F, S, SS)

### **350 Home Equipment Technology (2 hours)**

A study of basic materials, finishes and technology as related to the selection, use and care of appliances and utensils; the basic principles of the use of gas, electricity and technology in the home; and the use of adequate lighting. Two hours lecture and 1 hour lab per week. (F, S)

### **358 Practicum in Home Service Occupations (1-3 hours)**

Supervised experience in occupations such as home furnishings maintenance, custom or commercial slip cover and/or drapery making, equipment demonstrator, or home decorating and lighting. A job analysis will be an integral part of the work experience. Prerequisites: FCS 15-150 and 350. (F, S, SS)

### **362 Textiles (3 hours)**

Introduction to textile fiber, yarn and fabric characteristics. Basic textile terminology, serviceability, coloring and finishing; selection, performance and care of textile products, including hands-on laboratory experiences. Three hours lecture, 1 hour laboratory per week. (F)

### **366 Merchandising (3 hours)**

Principles of merchandising as applied in textiles and apparel retailing. Focuses on procedures for planning, sourcing and controlling inventories for profitable management of textile and apparel product lines. Careers in merchandising will be explored. Prerequisites: FCS 15-266, Mkt 55-331 or by permission. (S)

### **368 Visual Merchandising (2 hours)**

Theories and techniques of merchandise presentation, planning and execution; display, promotion, store layout and evaluation as related to image, sales, profit and aesthetics. Prerequisite: FCS 15-366 or Mkt 55-330. (F)

### **401 Issues in Family and Consumer Sciences (3 hours)**

A course designed to provide FCS majors opportunities for investigation of the philosophy of family and consumer sciences, current issues and trends affecting the field, the role of the profession in public policy and research, and the interpretation of professional ethics. The course requires a major paper and presentation. Coursework is designed to facilitate the transition from student to professional practitioner. (F, S)

### **410 Parenthood Education (3 hours)**

A study of major parenting strategies and the development of competencies necessary for effective parenting and the student's future involvement in parenthood education. Incorporates guidelines for Parents as First Teachers model. Prerequisites: FCS 15-312 or by permission. (F, S)

### **412 Family Theory and Application (3 hours)**

Analysis of major family theories, including life cycle, structural, family systems, sibling position and others. Theories applied to assessing case studies. Assessment techniques include genogram. Prerequisites: FCS 15-310, Soc 35-217, or by permission. (F, S)

**413 Child Development Practicum (3 hours)**

A team approach to the organization and operation of a preschool facility. This course provides an opportunity for supervised teaching in the child development center, a program enrolling three-, four-, and five-year-old children. Prerequisites: FCS 15-212 and 312. (F, S)

**418 Problems—Child Development and Family Relations (1-3 hours)\*\***

Opportunity to investigate, with instructor's guidance, a problem identified in consultation with advisor. Available to second trimester juniors or seniors with a 2.70 or above GPA who have completed course offerings in this area. (F, S)

**424 Family Resource Management/Consumer Policy Issues (3 hours)**

Provides an in-depth study of the application of management principles through the use of lifestyle analysis and case studies. Policy issues impacting family resources will be studied. (F, S)

**428 Problems—Family Economics and Management (1-3 hours)\*\***

Opportunity to investigate, with instructor's guidance, a problem identified in consultation with advisor. Available to second trimester juniors and seniors with a 2.70 or above GPA who have completed course offerings in this area. (F, S)

**430 Advanced Food Service Management (2 hours)**

Designed to assist the student in applying management and marketing principles in food service operations. Emphasis is on planning of food service systems and financial control. Prerequisites: FCS 15-230, 232, 332/333, Mgmt 54-313, Mkt 55-330. (S, alt. years)

**432 Advanced Nutrition (3 hours)**

Physiological and chemical basis for the nutrient and food needs of the individual, and the application of basic principles to problems of meeting the nutritional needs of the individual. Prerequisites: FCS 15-334, Chem 24-242/243, Chem 24-362/363, Bio 04-434. (F, alt. years)

**434 Diet Therapy (3 hours)**

The science of nutrition as it applies to individuals with atypical metabolic conditions and/or pathological conditions. Attitudes, knowledge and abilities required of the professional to be an effective nutrition counselor are emphasized. Prerequisites: FCS 15-432. (S, alt. years)

**435 Internship in Merchandising (1-3 hours)**

Junior or senior students in merchandising of textiles, apparel and furnishings may, with the permission of the merchandising coordinator, enroll in an intern program with an approved business. The training program for the student will be planned by a merchandising faculty member and the approved employer. The student will be required to make periodic reports on individual progress, and upon completion of the internship will write a formal paper on the total experience. Prerequisites: FCS 15-266, 362, 366, 450, Mkt 55-330, 331. (F, S, SS)

**438 Problems—Food and Nutrition (1-3 hours)\*\***

Opportunity to investigate, with instructor's guidance, a problem identified in consultation with advisor. Available to second trimester juniors and seniors with a 2.70 or above GPA who have completed course offerings in this area. (F, S)

**439 Field Experience in Food Service Management (1-6 hours)**

Advanced work assignments in food service management in business of student's choice. By permission of instructor. (F, S, SS)

**448 Problems—Family and Consumer Sciences Education (1-3 hours)\*\***

Opportunity to investigate, with instructor's guidance, a problem identified in consultation with advisor. Available to second trimester juniors or seniors with 2.70 or above GPA who have completed course offerings in this area. (F, S)

**450 Merchandising of Furnishings and Accessories (3 hours)**

Creative experiences in the use of color, texture, materials, floor plans, elevation and scale models using the principles of design and elements of art. Investigation of the historical background of furniture (Renaissance to Bauhaus and Modern) and future trends as related to present environmental design. Consumer information related to furnishings for homes and apartments. Prerequisites: FCS 15-150, 362. (S)

**458 Problems—Housing and Home Furnishings (1-3 hours)\*\***

Opportunity to investigate, with instructor's guidance, a problem identified in consultation with advisor. Available to second trimester juniors or seniors with 2.70 or above GPA who have completed course offerings in this area. (F, S, SS)

**466 Analysis of Sewn Products (3 hours)**

A study of apparel manufacturing and the decision-making involved in marketing, merchandising and producing apparel. Analysis of textile products with an emphasis on quality, performance and cost considerations in relation to product development. Prerequisites: FCS 15-160 and 362. (S)

**468 Problems—Textiles and Clothing (1-3 hours)\*\***

Opportunity to investigate, with instructor's guidance, a problem identified in consultation with advisor. Available to second trimester juniors or seniors with 2.70 or above GPA who have completed course offerings in this area. (F, S, SS)

**470 Internship in Family and Consumer Sciences (1-6 hours)**

Designed to provide a professional job experience in specialized areas of family and consumer sciences relative to appropriate career goals. Permission of instructor required. (F, S, SS)

**490 Directed Teaching in Vocational Family and Consumer Sciences Education (10 hours)**

Provides a gradual induction into teaching Family and Consumer Sciences. The clinical experience includes observation of teaching/learning, co-teaching with a master teacher and directed teaching under the supervision of a master teacher in FCS. The clinical experience is supervised by a college coordinator, who is fully certified as a vocational family and consumer sciences teacher. Prerequisite: Approval for student teaching by the director of educational field experiences. (F)

**500 Special Offerings (1-4 hours)**

Course which is offered on only one occasion or variable issue-oriented course which has the content described in the title.

**526 Independent Living for Special Populations (3 hours)**

A lifespan approach to the principles involved in developing independent living skills for those who have disabilities. The course will be designed to provide training and experience in working with the disabled and the elderly. Prerequisite: FCS 15-424 or by permission. (F, S)

**540 The Adult Learner (3 hours)**

Organization and administration of programs for adults. A study of teaching procedures, recent trends in subject matter, materials, techniques,

and evaluation as applied to adult education. This course provides opportunity for observation and participation in adult programs. (F)

**542 Foundations in Family and Consumer Sciences Education (3 hours)**

A course designed to develop competency in curriculum construction in family and consumer sciences based on the comprehension and analysis of the structure of the field of family and consumer sciences, relevant legislation and special needs of the learner. Includes emphasis on vocational youth groups within the curriculum. Prerequisite: Admission to teacher education. (F)

**544 Organization and Administration of Programs in Family and Consumer Sciences Education (3 hours)**

An introduction to work-based learning in FACS. Strategies for delivering work-based education including cooperative education, internship programs and entrepreneurial simulations. Appropriate school-to-work opportunities for each grade level will be explored. Other concepts include meeting diversity needs, marketing FACS, grants as sources of funding and developing a portfolio. Prerequisite: FCS 15-542. (S, alt. years)

**571 Trends in Child Development and Family Relations (1-2 hours)**

A course designed to update teachers in the subject matter area of child development and family relations. Special topic or focus is identified for each offering. (Alt. years)

**572 Trends in Family Economics and Management (1-2 hours)**

A course designed to update teachers in the subject matter area of family economics and management. Special topic or focus is identified for each offering. (Alt. years)

**573 Trends in Foods and Nutrition (1-2 hours)**

A course designed to update teachers in the subject matter area of foods and nutrition. Special topic or focus is identified for each offering. (Alt. years)

**574 Trends in Family and Consumer Sciences Education (1-2 hours)**

A course designed to update information in the subject matter area of family and consumer sciences education. Special topic or focus is identified for each offering. (Alt. years)

**575 Trends in Housing, Home Furnishings and Equipment (1-2 hours)**

A course designed to update teachers in the subject matter area of home furnishings, housing and equipment. Special topic or focus is identified for each offering. (Alt. years)

**576 Trends in Textiles and Clothing (1-2 hours)**

A course designed to update teachers in the subject matter area of textiles and clothing. Special topic or focus is identified for each offering. (Alt. years)

**580 Methods in Family and Consumer Sciences Education (3 hours)**

A course designed to develop competence in selection, development, and use of instructional techniques, materials and evaluation procedures in family and consumer sciences education. Prerequisite: FCS 15-542. (S)

\*\*Limit of 6 credits of FCS 15-418, 428, 438, 448, 458, and/or 468 for any student.



# Department of Health / 22, Physical Education / 22, Recreation / 45 and Dance / 22

**Chairperson:** Terry Robertson

**Faculty:** Robert J. Boerigter, Loren Butler, David Colt, Jeff Ferguson, James Johnson, Donna Lindenmeier, Terry Long, Janet Reusser, Gina Scott, Matt Symonds, Rheba Vetter

**Administrative Appointments:** Richard Alsup, Scott Bostwick, Tracy Cross, Lori DeJongh-Slight, Jon Gustafson, Lori Henderson, Robert Lade, Darin Loe, Susan Punzo-Anderson, Kelly Quinlin, Mark Rosewell, Gene Stienmeyer, Steve Tappmeyer, Bart Tatum, Mel Tjeerdsma, Darren Vorderbruegge, Vicki Wooton

## Statement of Mission

Opportunities are provided for professional preparation, in accordance with accrediting agency requirements, of highly qualified teachers and leaders in health, physical education and recreation. These programs prepare professionals to facilitate lifelong learning in a world of change; to confront the challenges of tomorrow; and to exhibit leadership skills in order to effect decisions that will encourage the acquisition of health and other behaviors leading to an active, productive and healthy life style.

The department is committed to providing a quality environment which encourages the University community to be active, understand, and maintain or improve, emotional, physical and intellectual well-being.

The vision of the Health and Physical Education Teacher Education Unit is to develop competent and reflective educators. The mission of the Health and Physical Education Teacher Education Unit is to:

1. Develop the teacher candidates' knowledge base.
2. Provide experiential learning activities for the teacher candidate to develop a variety of instructional skills for all learners.
3. Mentor the teacher candidate to enhance positive dispositions.
4. Model best practices of the profession.

## Advanced Standing Requirement: Physical Education

A student may apply for advanced standing after completing 40 semester hours of credit. The 40 hours must be completed with a grade point average of 2.50. The student must also complete the following courses with grades of "C" or better and a grade point average of 2.50: PE 22-207 Aerobic and Strength Conditioning, 3 hours; PE 22-233 First Aid, CPR and Care of Sports Injuries, 2 hours; PE 22-239 Foundations of Physical Education, 2 hours; and PE 22-254 Anatomy and Physiology, 3 hours.

**Professional Education Admittance:** Physical Education majors must also be admitted into the Professional Education Program. This process is initiated at the Teacher Education Student Service (TESS) Office. Refer to Admittance to Teacher Education section in the College of Education and Human Services on page 278.

**Physical Education Certification:** Students desiring to be certified to teach in Missouri must complete the Physical Education Core and the courses to complete the Professional Education Requirements listed under the B.S. Ed., Secondary Program (page 293) or the B.S. Ed., Elementary-Secondary Program (page 294) in the Department of Educational Leadership in the College of Education and Human Services.

To be certified to teach physical education in Missouri requires passing the PRAXIS-II. Health and Physical Education students must also take three credit hours of wellness-related coursework (PE 22-110 and 111 are suggested.)

**Physical Education Upper-level Gated Courses:** The Physical Education major must be admitted to the Professional Education Program before admittance into upper-level physical education courses. The following upper level physical education courses are “closed” or “gated” courses. Majors must be admitted to the Professional Education Program before taking any of the following courses:

- PE 22-430 Lifetime Team Activities
- PE 22-431 Lifetime Individual Activities
- PE 22-433 Senior Seminar in Physical Education
- PE 22-512 Socio-Psychological Aspects of Human Performance
- PE 22-523 Motor Development
- PE 22-537 Assessment in Physical Education
- PE 22-580 Methods in Secondary Physical Education
- PE 22-480 Health Methods in the Secondary School  
(for Health Education Minors)

**Physical Education program completion requirements:**

1. Completion of a program approved field experience within a diverse setting for a minimum of 30 clock hours.
2. Completion of a professional portfolio demonstrating what the student knows and is able to perform in accordance to state teacher certification standards.
3. Successful completion of the PRAXIS-II examination.
4. Completion of all exit criteria in order to complete the teacher education program and be recommended for graduation and certification.

**Advanced Standing Requirement: Recreation**

A student may apply for advanced standing after completing 40 semester hours. The 40 semester hours must be completed with a grade point average of 2.25. The student must also complete the following courses with a grade of “C” or better: Rec 45-240 Foundations of Recreation, 3 hours and Rec 45-245 Leisure Services and Special Populations, 3 hours.

To be in good standing (advanced standing), students must maintain a minimum GPA of 2.25 or higher within all major courses (recreation core and emphasis area) and must have a grade of “C” or better in all recreation courses. Recreation students must also have a “C” or better in three credit hours of wellness-related coursework (PE 22-110 and 111 are suggested.)

## MAJORS

Major in Physical Education, 39 hours: B.S.Ed., Secondary Program—Minor Required (Certifies Grades 9-12)

<b>Required Courses</b>	<b>Semester Hours</b>
PE 22-207 Aerobic and Strength Conditioning	3
PE 22-208 Techniques of Folk, Square and Recreational Dance	3
PE 22-233 First Aid, CPR and Care of Sports Injuries	2
PE 22-239 Foundations of Physical Education	2
PE 22-254 Anatomy and Physiology	3
PE 22-332 Physiology of Exercise	3
PE 22-336 Basic Biomechanics	3
PE 22-410 Adapted Physical Education	3
PE 22-430 Lifetime Team Activities	3
PE 22-431 Lifetime Individual Activities	3
PE 22-433 Senior Seminar in Physical Education	2
PE 22-512 Socio-Psychological Aspects of Human Performance	3
PE 22-523 Motor Development	3
PE 22-537 Assessment in Physical Education	3
<b>Total Major Requirements</b>	<b>39</b>
<b>Professional Education Requirements</b>	<b>29-30</b>
Including PE 22-580 Methods in Secondary Physical Education (3)	

Certification in Physical Education, Grades K–9, B.S.Ed. degree  
(Not a major or minor)

PE 22-233 First Aid, CPR, and Care of Sports Injuries	2
PE 22-238 Health and Physical Education Methods in the Elementary School	3
PE 22-239 Foundations of Physical Education	2
PE 22-254 Anatomy and Physiology	3
PE 22-332 Physiology of Exercise	3
PE 22-336 Basic Biomechanics	3
PE 22-361 Creative Rhythms and Activities 5-9	2
PE 22-362 Creative Rhythms and Activities K-4	3
PE 22-410 Adapted Physical Education	3
PE 22-433 Senior Seminar in Physical Education	2
PE 22-512 Socio-Psychological Aspects of Human Performance	3
PE 22-523 Motor Development	3
PE 22-537 Assessment in Physical Education	3
Electives from PE 22-207, 208, 430, 431	3
<b>Total Certification Requirements</b>	<b>38</b>

This program meets the Missouri certification standards for grades K–9. The above courses serve as an area of concentration (24 hours) or endorsement (21 hours for Middle School Majors) in the Department of Curriculum and Instruction.

Major in Recreation, 53-63 hours: B.S.—No Minor Required

<b>Core Requirements</b>	<b>Semester Hours</b>
Rec 45-240 Foundations of Recreation	3
Rec 45-245 Leisure Services and Special Populations	3
Rec 45-340 Recreational Programs	3

Rec 45-434 Senior Seminar in Recreation	3
Rec 45-440 Leisure Resources/Facility Design and Management	3
Rec 45-443 Techniques of Recreation Leadership	3
Rec 45-446 Evaluation of Leisure Services	3
Rec 45-450 Field Experience in Recreation and Park Management OR	
Rec 45-451 Field Experience in Therapeutic Recreation OR	
Rec 45-452 Field Experience in Corporate Recreation/Wellness	3
Rec 45-499 Recreation Internship	6-12
Rec 45-546 Administration of Recreation	3

**Total Core Requirements** **33-39**

**Setting I—Recreation and Park Management, 21 hours**

**Required Courses**

Rec 45-444 Outdoor Recreation/Education	3
Rec 45-533 Recreation Sports Management	3
Rec 45-545 Risk Management	3

**Twelve hours selected from the following:** **12**

PolS 34-203 State and Local Government (3)	
PolS 34-332 Principles of Public Administration (3)	
Acct 51-201 Accounting I (3)	
Mgmt 54-310 Managerial Communications (3)	
Mgmt 54-313 Management Process and Behavior (3)	
Mgmt 54-314 Human Resource Management (3)	
Mkt 55-330 Principles of Marketing (3)	

**Total Setting I Requirements** **21**

**Setting II—Therapeutic Recreation, 24 hours**

**Required Courses**

Rec 45-243 Introduction to Therapeutic Recreation	3
PE 22-254 Anatomy and Physiology	3
Rec 45-345 Therapeutic Recreation Program Design	3
Rec 45-542 Trends and Issues in Therapeutic Recreation	3
Psych 08-223 Abnormal Psychology	3
FCS 15-214 Human Development	3

**Six hours selected from the following:** **6**

PE 22-332 Physiology of Exercise (3)	
PE 22-410 Adapted Physical Education (3)	
PE 22-523 Motor Development (3)	

**Total Setting II Requirements** **24**

**Setting III—Corporate Recreation/Wellness, 20-21 hours**

**Required Courses**

FCS 15-234 Nutrition and Diet Behavior	2
PE 22-254 Anatomy and Physiology (3) OR	
Bio 04-130 Physiology and Anatomy (4)	3-4
PE 22-332 Physiology of Exercise	3
PE 22-336 Basic Biomechanics	3
PE 22-410 Adapted Physical Education	3
PE 22-552 Health Promotion	3

<b>Three hours selected from the following:</b>	<b>3</b>
PE 22-532 Exercise Testing, Prescription & Analysis of Cardiac Function (3)	
PE 45-545 Risk Management (3)	
PE 22-550 Community Health (3)	
<b>Total Setting III Requirements</b>	<b>20-21</b>

## MINORS

Minor in Coaching, 22 hours

<b>Core Requirements</b>	<b>Semester Hours</b>
PE 22-254 Anatomy and Physiology	3
PE 22-332 Physiology of Exercise	3
PE 22-334 Administration of Athletics and Coaching Practicum	2
PE 22-336 Basic Biomechanics	3
PE 22-382 Care and Prevention of Athletic Injuries	3
FCS 15-234 Nutrition and Diet Behavior	2
<b>Total Core Requirements</b>	<b>16</b>
<b>Four hours from the following:</b>	<b>4</b>
PE 22-482 Theory and Fundamentals of Coaching Baseball (2)	
PE 22-483 Theory and Fundamentals of Coaching Track and Field (2)	
PE 22-484 Theory and Fundamentals of Coaching Basketball (2)	
PE 22-485 Theory and Fundamentals of Coaching Football (2)	
PE 22-486 Theory and Fundamentals of Coaching Volleyball (2)	
<b>Two hours from the following:</b>	<b>2</b>
PE 22-282 Officiating Baseball and Softball (1)	
PE 22-283 Officiating Track and Field (1)	
PE 22-284 Officiating Basketball (1)	
PE 22-285 Officiating Football (1)	
PE 22-286 Officiating Volleyball (1)	
PE 22-287 Officiating Wrestling (1)	
<b>Total Minor Requirements</b>	<b>22</b>

Minor in Health Education, 28 hours: B.S.Ed., Secondary Program  
(Certifies Grades 9-12)

<b>Core Requirements</b>	<b>Semester Hours</b>
PE 22-233 First Aid, CPR and Care of Sports Injuries	2
PE 22-254 Anatomy and Physiology	3
PE 22-332 Physiology of Exercise	3
PE 22-550 Community Health	3
PE 22-554 Human Sexuality	3
Psych 08-212 Personal Adjustment	3
FCS 15-234 Nutrition and Diet Behavior	2
Guid 68-520 Drug Prevention and Education in Schools	3
<b>Six hours from the following:</b>	<b>6</b>
PE 22-272 Introduction to Safety Education (3)	
PE 22-552 Health Promotion (3)	
Bio 04-376 Basic Ecology (4)	
FCS 15-310 Family Relationships (3)	
<b>Total Minor Requirements</b>	<b>28</b>

**9-12 Certification:** PE 22-480 Health Methods in the Secondary School (3) must be completed as part of the Professional Education Requirements.

**K-9 Certification:** PE 22-238 Health and Physical Education Methods in the Elementary School (3) and PE 22-480 Health Education Methods in the Secondary School (3) must be completed as part of the Professional Education Requirements.

### Minor in Recreation, 24 hours

<b>Required Courses</b>	<b>Semester Hours</b>
Rec 45-240 Foundations of Recreation	3
Rec 45-245 Leisure Services and Special Populations	3
Rec 45-340 Recreational Programs	3
Rec 45-443 Techniques of Recreation Leadership	3
Rec 45-444 Outdoor Recreation/Education	3
Rec 45-446 Evaluation of Leisure Services	3
Rec 45-450 Field Experience in Parks and Recreation Management OR	
Rec 45-451 Field Experience in Therapeutic Recreation OR	
Rec 45-452 Field Experience in Corporate Recreation/Wellness	3
Rec 45-546 Administration of Recreation	3
<b>Total Minor Requirements</b>	<b>24</b>

### Minor in Dance, 20 hours

<b>Required Courses</b>	<b>Semester Hours</b>
PE 22-208 Techniques of Folk, Square and Recreational Dance	3
PE 22-254 Anatomy and Physiology	3
PE 22-262 History of Dance	3
PE 22-311 Dance Techniques	3
PE 22-361 Creative Rhythms and Activities 5-9	2
PE 22-363 Creative Rhythms and Activities K-4	3
<b>Three hours selected from the following:</b>	
PE 22-332 Physiology of Exercise	3
PE 22-336 Basic Biomechanics	3

Certification in Driver Education, 12 hours: B.S.Ed., Secondary Program (Not a Minor)

<b>Required Courses</b>	<b>Semester Hours</b>
PE 22-271 Driver Task Analysis - Driver Education II	3
PE 22-272 Introduction to Safety Education - Driver Education I	3
PE 22-571 Developing Classroom Knowledge - Driver Education III	3
PE 22-572 Developing Vehicle Competencies & Skills - Driver Education IV	3
<b>Total Requirements</b>	<b>12</b>

**To be certified in Driver Education, the above hours must be completed in conjunction with an established certifiable Secondary Education (B.S.Ed.) degree program.**

## Course Descriptions

Health /22,  
Physical Education /22,  
Recreation / 45, and  
Dance / 22

### ACTIVITY COURSES

Only 4 activity credits may count toward the minimum hours required for graduation.

101 Restricted Activity (1 hour)  
(F, S)

106 Weight Training and  
Conditioning (1 hour)  
(F, S)

107 Racquetball (1 hour)  
(F, S, SS)

112 Jogging (1 hour)  
(F, S)

113 Individualized Fitness Program  
(1 hour)  
(F, S, SS)

116 Casting and Angling (1 hour)  
(F, S)

121 Volleyball (1 hour)  
(F, S)

131 Beginning Tennis (1 hour)  
(F, S, SS)

134 Badminton (1 hour)  
(F, S)

139 Golf (1 hour)  
(F, S, SS)

160 Aerobic Dance (1 hour)  
(F, S, SS)

161 Jazz Dance (1 hour)  
(S)

165 Social Dance (1 hour)  
(F, S, SS)

170 Beginning Swimming (1 hour)  
(F)

173 Water Aerobics (1 hour)  
(F, S)

### VARSITY ATHLETICS

180 Varsity Cross Country\* (1 hour)  
(F)

181 Varsity Tennis\* (1 hour)  
(S)

182 Varsity Baseball\* (1 hour)  
(S)

183 Varsity Track and Field\* (1 hour)  
(S)

184 Varsity Basketball\* (1 hour)  
(F)

185 Varsity Football\* (1 hour)  
(F)

186 Varsity Volleyball\* (1 hour)  
(F)

190 Varsity Softball\* (1 hour)  
(S)

\*PE 22-180 through 190 Varsity Athletics may each be repeated for 4 total credit hours per course.

### Physical Education / 22

207 Aerobic and Strength  
Conditioning (3 hours)

Development of advanced skills and methodology in working with cardiovascular aerobic conditioning. (F)

**208 Techniques of Folk, Square and Recreational Dance (3 hours)**  
Development of skills and methodology for folk, square and recreational dance. (F, S)

**209 Techniques of Modern Dance (1 hour)**  
Development of movement techniques as well as knowledge and appreciation of modern dance. Opportunity for creative group studies is offered. (F)

**210 Special Topics in Physical Education Activity (1-3 hours)**  
Designed for undergraduate special topic classes, new initiatives and developing courses in physical education that are activity based.

**213 Techniques of Ballet (1 hour)**  
Skill development and methodology of ballet. (S, even years)

**214 Techniques of Tap Dance (1 hour)**  
Skill development and methodology of tap dance. (F, odd years)

**226 Advanced Weight Training (1 hour)**  
Advanced development of skills. (F, S)

**227 Techniques of Swimming I (1 hour)**  
Development of basic skills in swimming. (F, S)

**229 Techniques of Gymnastics I (1 hour)**  
Development of basic skills in tumbling and apparatus. (F, S)

**233 First Aid, CPR and Care of Sports Injuries (2 hours)**  
Theory and practice of first aid and CPR. Development of skills in the prevention and care of injuries associated with sports and activity. (F, S)

**238 Health and Physical Education Methods in the Elementary School (3 hours)**  
Methods and activities in health and physical education in the elementary school. (F, S, SS)

**239 Foundations of Physical Education (2 hours)**  
An introductory professional course which covers the scope, purpose, history, growth and development, and career assessment of physical education. (F, S)

**254 Anatomy and Physiology (3 hours)**  
The structure and function of the skeletal, muscular and circulatory systems. (F, S)

**262 History of Dance (3 hours)**  
A broad perspective of the evolution of dance from the onset to the present. Meets Fine Arts requirement in the General Education requirements. (F, S)

**282 Officiating Baseball and Softball (1 hour)**  
(S)

**283 Officiating Track and Field (1 hour)**  
(S)

**284 Officiating Basketball (1 hour)**  
(S)

**285 Officiating Football (1 hour)**  
(F)

**286 Officiating Volleyball (1 hour)**  
(F)

**287 Officiating Wrestling (1 hour)**  
(F)

**311 Dance Techniques (3 hours)**  
Designed to be an overview of several genres in the dance discipline. Basic dance technique in the areas of modern, jazz, ballet, and improvisation as a basis for choreography is covered. (F,S)

**332 Physiology of Exercise (3 hours)**  
A study of the immediate and long-range effects of physical activity on the muscular, respiratory, circulatory, nervous and metabolic systems. Laboratories are included. Prerequisite: PE 22-254. (F, S)

**333 Administration of Physical Education and Athletics (2 hours)**  
Principles and procedures for administering physical education and athletic programs in the schools. (F, S)

**334 Administration of Athletics and Coaching Practicum (2 hours)**  
Principles and procedures for administering athletic programs in the schools. A practicum experience in an athletic setting. (F, S)

**336 Basic Biomechanics (3 hours)**  
The study of the principles of human movement: structural and mechanical. Prerequisite: PE 22-254. (F, S)

**361 Creative Rhythms and Activities 5-9 (2 hours)**  
The study and understanding of movement con-



cepts as they relate to space, time and energy through dance and gymnastics for the 5-9 learner. (S)

**362 Creative Rhythms and Activities K-4 (3 hours)**

The study and understanding of movement concepts as they relate to space, time and energy through dance and gymnastics for the K-4 learner. (F, S)

**363 Choreography (1 hour)**

Opportunity for creative study in dance based on assigned topics. (May be repeated for a total of three hours.) Prerequisite: PE 22-209. (F, S)

**382 Care and Prevention of Athletic Injuries (3 hours)**

Covers primary cause of injuries, analysis of preventive measures and care of injuries in relation to type of tissue involved. (F, S)

**410 Adapted Physical Education (3 hours)**

Survey of human physical disabilities combined with adaptive and rehabilitative measures to promote better living for the individual. (F, S, SS)

**430 Lifetime Team Activities (3 hours)**

An introduction to basic skills and teaching techniques of lifetime team activities. Prerequisites: PE 22-239, 333 and admission to teacher education. (F, S)

**431 Lifetime Individual Activities (3 hours)**

An introduction to basic skills and teaching techniques in lifetime individual activities. Prerequisites: PE 22-239, 333 and admission to teacher education. (F, S)

**433 Senior Seminar in Physical Education (2 hours)**

A capstone course designed to acquaint the student with current issues and trends in HPERD and to apply principles of philosophy to HPERD. Prerequisites: PE 22-239, 333, 430, 431 and admission to teacher education. (F, S)

**437 Practicum: Physical Education in the Elementary School (2 hours)**

Practical experience in the elementary school physical education program. Prerequisites: PE 22-238 and admission to teacher education. (F, S)

**439 Independent Study in Physical Education (1-2 hours)**

Individual study, under faculty supervision, of a selected area of interest. May be repeated for a total of three hours. Prerequisite: Permission of advisor and instructor. (F, S, SS)

**469 Independent Study in Dance (1-2 hours)**

Individual study, under faculty supervision, of a selected area of interest. May be repeated for a total of three hours. Prerequisite: Permission of advisor and instructor. (F, S, SS)

**482 Theory and Fundamentals of Coaching Baseball (2 hours)**  
(S)

**483 Theory and Fundamentals of Coaching Track and Field (2 hours)**  
(S)

**484 Theory and Fundamentals of Coaching Basketball (2 hours)**  
(F)

**485 Theory and Fundamentals of Coaching Football (2 hours)**  
(F)

**486 Theory and Fundamentals of Coaching Volleyball (2 hours)**  
(S)

**510 Special Topics (1-3 hours)**  
Designed for special workshops.

**512 Socio-Psychological Aspects of Human Performance (3 hours)**

Analysis of sociological and psychological aspects which influence human performance. Prerequisites: PE 22-239, 254, 333, upper-division standing, admission to teacher education, or permission of instructor. (F)

**523 Motor Development (3 hours)**

The course is designed to focus on normal and abnormal motor development of school-age individuals. Emphasis is placed on the study of the interaction between environmental and biological factors which affect changes in motor performance, motor development assessment techniques, and designing and implementing an individualized program for a school-age learner. Prerequisite: Admission to teacher education. (F, S, SS)

**532 Exercise Testing, Prescription & Analysis of Cardiac Function (3 hours)**

A course designed to provide special emphasis to testing individuals with several exercise protocols and modes. Emphasis will be placed upon cardiovascular functions at rest, during exercise and recovery. The format is practical and laboratory based in nature. Prerequisites: PE 22-254, 332 with grade of "B" or better. (F, S)

**536 Mechanical Analysis of Sports Skills (3 hours)**

Designed to improve the student's ability to teach physical education or coach by analyzing a variety of activities in terms of the fundamental principles of mechanics. Prerequisites: PE 22-254 and 336 (S, even years)

**537 Assessment in Physical Education (3 hours)**

A study of the evaluation procedures in physical education, the administration of such procedures and the interpretation of the results of fundamental statistical methods. Prerequisites: PE 22-239, 430 and 431 and admission to teacher education. (F, S, SS)

**580 Methods in Secondary Physical Education (3 hours)**

A survey of teaching styles and pedagogy. Special emphasis is given to daily teaching methodology with practical experiences. The relationship of methods of teaching to curriculum is also covered. Prerequisites: PE 22-239, 332, 430, 431 and admission to teacher education. (F, S)

## Health / 22

**110 Lifetime Wellness (2 hours)**

A course designed to develop an understanding of the principles necessary for promoting lifetime wellness, clarifying values, living effectively and improving the quality of life, through a study of critical issues which affect the individual and society, including: self concept and relationships, physical fitness, substance abuse and dependency behaviors, nutrition, prevention and control of disease, sexuality issues and consumer health. (Must co-register in PE 22-111 Lifetime Wellness Laboratory). (F, S, SS)

**111 Lifetime Wellness Laboratory (1 hour)**

A laboratory designed to conduct a wellness assessment and to provide students with practi-

cal strategies and skills for developing a personal program of fitness and lifetime sports activities. (F, S, SS)

**459 Independent Study in Health Education (1-2 hours)**

Individual study under faculty supervision of a selected area of interest. May be repeated for a total of three hours. Prerequisite: Permission of advisor and instructor. (F, S, SS)

**480 Health Education Methods in the Secondary School (3 hours)**

Organizing health instruction, development and appraisal of materials, use of instructional and assessment strategies for the 9-12 learner. Prerequisites: Psych 08-212, PE 22-554, FCS 15-234 and admission to teacher education. (F, even years)

**550 Community Health (3 hours)**

Factors in physical, biological and social environments that influence the nature, extent and programming of health problems for all age groups. Special emphasis on high risk populations such as prenatal and the aging. (S, odd years)

**552 Health Promotion (3 hours)**

The study of the organization and implementation of a comprehensive health promotion program. Practical applied experiences are included. (S)

**554 Human Sexuality (3 hours)**

A study of the historical, biological, psychological and sociocultural aspects of sexuality in relation to modern life. (F, S)

## Recreation / 45

**110 Climbing Wall (1 hour)**

Provides students the opportunity to develop physical fitness while exploring the new and unique activity of wall rock climbing. Course will stress safety, climbing techniques, belay systems and equipment. Physical fitness concepts of balance, motor coordination and control, strength, flexibility and endurance will be addressed as they relate to climbing wall activities. Life values of trust, motivation, encouragement of self and others, conquering fears, success and self-esteem will be emphasized and presented in harmony with the physical fitness concepts. (F, S, SS)

**124 Noncompetitive and Recreational Games (1 hour)**

Provides students the opportunity to learn a multitude of games designed for all populations. Course will emphasize safety, skill development, strength and conditioning, concentration, motor coordination and teamwork. (F, S)

**130 Canoeing (1 hour)**

Students will have the opportunity to explore canoeing and canoe touring. The course will emphasize safety, canoeing skills, equipment, strength and conditioning, concentration, motor coordination and teamwork. (F, S)

**131 Kayaking (1 hour)**

Provides students the opportunity to explore kayaking, kayak touring and kayak tricks. Emphasizes safety, kayaking skills, equipment, strength and conditioning, concentration, motor coordination and teamwork. (F, S)

**132 Watercraft (1 hour)**

Provides students the opportunity to explore sailing, personal watercraft, as well as canoeing and kayaking. Emphasizes safety, skills development, equipment, strength and conditioning, concentration, motor coordination and teamwork. (F, S)

**140 Archery (1 hour)**

Course will provide students the opportunity to explore target archery, field archery and 3-D archery. The course will emphasize safety, equipment, shooting techniques, strength and conditioning, concentration, motor coordination, control and strategy. (F, S)

**210 Special Topics in Recreation Activity (1-3 hours)**

Designed for special workshops, special topics, new initiatives and developing courses in recreation that are activity based. (F, S, SS)

**240 Foundations of Recreation (3 hours)**

An introductory course designed to provide an overview of the different areas of study, participation and career opportunities in the field of recreation and leisure. Includes a thorough description of its current scope and organizational practices, as well as the historical, sociological, psychological, philosophical and economic aspects of recreation and leisure. Concurrent enrollment in Rec 45-245 is recommended. (F, S)

**243 Introduction to Therapeutic Recreation (3 hours)**

Designed to introduce students to the therapeutic

recreation profession. Course content focuses on three distinct areas: historical and technological development, clinical and programmatic management, and current community and clinical practice. Prerequisites: Rec 45-240 and 245, or permission of instructor. (F)

**245 Leisure Services and Special Populations (3 hours)**

Designed to provide an overview of issues related to a variety of subgroups within today's society and how these issues impact the leisure services industry. Groups are based on factors such as race, religion, culture, socio-economic status and disability. Students will explore their own value systems and develop a personal philosophy toward enhancing cultural competence. Prerequisite: Rec 45-240 or concurrent enrollment recommended for Recreation majors. (F, S)

**310 Special Topics in Recreation (1-3 hours)**

Designed for special workshops, special topics, new initiatives and developing courses in Recreation at the undergraduate level. (F, S, SS)

**340 Recreational Programs (3 hours)**

Principles of program planning; roles of leader, administrator and community in program planning; special consideration for programs necessitated by various recreation settings; short term, seasonal and year round. Prerequisites: Rec 45-240 and 245 and concurrent enrollment in Rec 45-443 recommended. (F, S)

**345 Therapeutic Recreation Program Design (3 hours)**

Designed to develop the necessary competencies and skills needed to plan and implement appropriate therapeutic recreation programs for diverse special need populations. Prerequisites: Rec 45-243 and 245, or permission of instructor. (S)

**425 Expressive and Creative Programs (3 hours)**

An exploration into the highly creative program areas in the recreation and leisure industry. Course will examine the performing and visual arts, arts and crafts, dance, literature and drama. Students participate in, and lead activities, and develop a resource guide.

**434 Senior Seminar in Recreation (3 hours)**

A study of the current issues and trends in recreation and internship preparation. (F, S)

**440 Leisure Resources/Facility Design and Management (3 hours)**

Understanding of the principles and the ability to apply techniques of planning, design, development and maintenance of recreation and park areas and facilities. Prerequisite: Rec 45-240 and 245. (F, S)

**443 Techniques of Recreation Leadership (3 hours)**

Theoretical and practical experiences in recreation leadership. Techniques of group work and progressive leadership applicable to recreational activities, programs and settings. Prerequisites: Rec 45-240 and 245. Concurrent enrollment in Rec 45-340 recommended. (F, S)

**444 Outdoor Recreation/Education (3 hours)**

Exploration of the outdoor activity areas in the recreation and leisure industry. Participate in activities, lead activities, and develop a resource guide of activities associated with outdoor recreation and education. Prerequisites: Rec 45-240 and 245. (F)

**446 Evaluation of Leisure Services (3 hours)**

Knowledge of appropriate measurement techniques utilized in the recreation and leisure services industry. Emphasis will be placed on those assessment/evaluation skills which are used by leisure professionals to determine the extent to which programmatic and organizational goals and objectives have been achieved. Prerequisites: Rec 45-340 and 443. (F, S)

**449 Independent Study in Recreation (1-3 hours)**

Individual study in recreation and/or leisure, under faculty supervision of a selected area of interest. May be repeated for a total of three hours. Prerequisite: Permission of advisor and instructor. (F, S, SS)

**450 Field Experience in Recreation and Park Management (3 hours)**

Opportunity to gain practical experience in specific recreation and park management programs. The experience should include a minimum of 200 hours of hands-on, supervised practical experience for an 8-12 week period. Must be directed and supervised by a recreation professional and University field experience supervisor. Prerequisites: Rec 45-340 and 443, or permission of instructor. (F, S, SS)

**451 Field Experience in Therapeutic Recreation (3 hours)**

Opportunity to gain practical experience in specific therapeutic recreation programs. The experience should include a minimum of 200 hours of hands-on, supervised practical experience for an 8-12 week period. Must be directed and supervised by a recreation professional and University field experience supervisor. Prerequisites: Rec 45-243, 340 and 443, or permission of instructor. (F, S, SS)

**452 Field Experience in Corporate Recreation/Wellness (3 hours)**

Opportunity to gain practical experience in specific corporate recreation and wellness programs. The experience should include a minimum of 200 hours of hands-on, supervised practical experience for an 8-12 week period. Must be directed and supervised by a recreation professional and University field experience supervisor. Prerequisites: Rec 45-340 and 443, or permission of instructor. (F, S, SS)

**499 Recreation Internship (6-12 hours)**

A gradual induction to professional recreation is provided through a progression of experiences. The experience should include a minimum of 480 hours of hands-on, supervised practical experience over a 12-16 week period. The experience will be directed and supervised by a recreation professional and a University internship supervisor. Settings for internships may include municipal or community recreation and/or park departments, social service agencies, hospitals, penal institutions, retirement homes and others. Prerequisites: Rec 45-446, 546, and Rec 45-450 or 451 or 452. (F, S, SS)

**510 Special Topics in Recreation (1-3 hours)**

Designed for graduate/advanced level special workshops, special topics, new initiatives and developing courses in recreation. (F, S, SS)

**520 Challenge Course Facilitator Training (3 hours)**

Course emphasizes assessing, planning, implementing, processing and evaluating challenge course programs in the recreation services industry. Programs are designed to promote communication, cooperation, trust, goal setting, problem solving, self-concept and interpersonal interactions. (F, S)

**533 Recreation Sports Management (3 hours)**

A study of the objectives and principles in administering an intramural program in the schools. Application of principle to practical situations with field experiences. Prerequisites: Rec 45-340 and 443 or PE 22-239 and 333. (F)

**540 Group Dynamics (3 hours)**

An introduction to the dynamics of group work including different models of group development, types of groups, stages of development, selective processes and intervention strategies. Students will observe, participate in and evaluate group activities. Group leadership and facilitation skills will be presented. (SS)

**542 Trends and Issues in Therapeutic Recreation (3 hours)**

This course is designed to familiarize students with existing trends in therapeutic recreation programming, to discuss current legal issues, current societal attitudes toward persons with disabilities, trends within the health care delivery system and other current trends and issues related to therapeutic recreation. Prerequisites: Rec 45-345 and 451, or permission of instructor. (S)

**545 Risk Management (3 hours)**

Designed to give students a basic understanding of their legal responsibilities as recreation and physical activity professionals to provide a safe environment for those they serve, and to develop an understanding of the current legislation, practice standards, and policy, as well as how it may apply to the rights of recreation activity participants, students, special populations, employees and/or co-workers. Prerequisites: Rec 45-340, 443 and Rec 45-450 or 451 or 452. (S)

**546 Administration of Recreation (3 hours)**

Organization and administration of recreation services, facilities and resources on the federal, state and local levels. Special attention is given to community recreation organization providers' role and responsibilities for budgeting and personnel management, as well as managing the facilities, activities and special events in the recreation program. Prerequisites: Rec 45-340 and 443. (F, S)

**562 Assessments, Diagnostics and Treatment Planning in Therapeutic Recreation (3 hours)**

Course will provide an overview of (1) the basic concepts associated with psychometric assess-

ment, (2) a variety of individual client assessments used in practice and (3) the use of therapeutic recreation assessments in the development of individualized treatment/program plans. (F)

**Safety/Driver Education / 22****271 Driver Task Analysis – Driver Education II (3 hours)**

An introduction to the task of the driver within the highway transportation system with emphasis on risk perception and management and the decision-making process. Not a learn-to-drive class.

**272 Introduction to Safety Education – Driver Education I (3 hours)**

Introductory course examining the principles and fundamentals of safety education. Concern for safety as a social problem, considers major accident areas, accident causes, liability and analysis of possible solutions to the accident problem. Develops concepts to prepare the driver education student to assume responsibility for accident prevention in the home, school, community and on the highway.

**479 Independent Study in Safety Education (1-2 hours)**

Individual study, under faculty supervision, of a selected area of interest. May be repeated for a total of three hours. Prerequisite: Permission of instructor. (F, S, SS)

**571 Developing Classroom Knowledge – Driver Education III (3 hours)**

Learning activities focus on preparing the prospective driver educator to contact Driver Education classroom skills with application to classroom organization, maintaining a learning environment, development instructional modules and conducting learning experiences.

**572 Developing Vehicle Competencies and Skills – Driver Education IV (3 hours)**

Learning activities focus on preparing the prospective driver educator to conduct activities which develop operational skills for a novice driver. Emphasis on laboratory organization and administration, maintaining a learning environment, developing laboratory instructional modules and conducting learning experiences.

## SWIMMING AND ARC CERTIFICATION PROGRAM COURSES

### 172 Basic and Emergency Water Safety (1 hour)

Successful completion of this course meets the requirements for ARC Basic Water Safety and Emergency Water Safety certification so that the student will know how to respond in an aquatic emergency. It serves as a foundation for further training in lifeguarding and aquatics courses for individuals in the area of recreation, education, public safety and industry. (F, S)

### 276 Lifeguard Training (2 hours)

Designed to provide the only certification to qualify a student for lifeguarding at pool and non-surf facilities. Successful completion of this course provides the student the ARC Lifeguard Training Certification. To complete the certification the student must submit evidence of current certification in adult CPR and standard first aid. (S)

# Department of Psychology / 08, Sociology / 35 and Counseling / 68

**Chairperson:** Jerrold Barnett

**Faculty:** Carol Claflin, Doug Dunham, Carla Edwards, April Haberyan, Rebecca Hendrix, Shelly Hiatt, Jacqueline Kibler, Gregory Loewen, Roger Neustadter, Larry Riley, Melinda Russell-Stamp, Kyoung-Ho Shin

## Statement of Mission

The department has four main goals. They are (1) to prepare students for professional and pre-professional careers and vocations in which an understanding of behavior is essential or desirable, (2) to contribute to the liberal education of students, (3) to support other departments' efforts to educate students and (4) to provide assistance to University faculty, students and professional personnel in other institutions.

In order to partially achieve the department goals, two undergraduate degrees have been developed. These are the Bachelor of Arts and the Bachelor of Science.

## PSYCHOLOGY DEGREE PROGRAMS

Psychology majors develop good research and writing skills, good problem solving and higher-order thinking ability when it comes to analyzing, synthesizing and evaluating information. Psychology majors find jobs in administrative support, public affairs, education, business, sales, service industries, health, the biological sciences and computer programming. Many work as employment counselors, corrections counselor trainees, interviewers, personnel analysts, probation officers and writers.

Test out is not available for any course offered by the department.

Major in Psychology, 30 hours: B.A.–Minor Required; 37 hours: B.S.–Minor Required

Comprehensive Major in Psychology/Sociology, 55 hours: B.A., B.S.–No Minor Required

Comprehensive Major in Industrial Psychology, 62 hours: B.S.–No Minor Required

Minor in Psychology, 24 hours

Minor in Gerontology, 24 hours – also listed in Department of Family and Consumer Sciences

Major in Psychology/Biology: B.S., 67-68 hours – individual programs of study are arranged in both departments

## Advanced Standing Requirement

For all undergraduate psychology degree programs:

1. Completion of all Directed General Education Courses with a minimum GPA of 2.00;
2. Completion of Psych 08-103 General Psychology, and at least one, but not more than two, other psychology courses; and
3. A 2.00 GPA for any psychology courses taken prior to declaring the major.

## Exit Requirement

All graduating seniors must take the ACAT subject matter test and provide the department with test results prior to graduation approval.

## MAJORS

Major in Psychology, 37 hours: B.S.—Minor Required

This major can be used either as a pre-professional or terminal degree, depending on the student's needs. The pre-professional curriculum leads to coursework on the graduate level in personnel management and in clinical, counseling, experimental and industrial/organizational psychology. Coursework is in full accordance with the specifications of the American Psychological Association.

Directed General Education Course	Semester Hours
Math 17-114 General Statistics	3
<b>Required Courses</b>	
Psych 08-203 Issues in Psychology	3
Soc 35-365 Social Psychology	3
Psych 08-223 Abnormal Psychology	3
Psych 08-233 Psychological Testing	3
Psych 08-333 Developmental Psychology	3
Psych 08-334 Research Methods in Psychology	3
Psych 08-343 Biological Psychology	3
Psych 08-363 Psychology of Personality	3
Psych 08-373 Learning and Motivation	3
Psych 08-423 History and Systems of Psychology	3
Psych 08-491 Senior Seminar	1
Approved electives in psychology	6
<b>Total Major Requirements</b>	<b>37</b>

Major in Psychology, 30 hours: B.A.—Minor Required

Directed General Education Course	Semester Hours
Math 17-114 General Statistics	3
<b>Required Courses</b>	
Psych 08-203 Issues in Psychology	3
Soc 35-365 Social Psychology	3
Psych 08-223 Abnormal Psychology	3
Psych 08-233 Psychological Testing	3
Psych 08-334 Research Methods in Psychology	3
Psych 08-343 Biological Psychology	3
Psych 08-363 Psychology of Personality	3



Psych 08-373 Learning and Motivation	3
Psych 08-423 History and Systems of Psychology	3
Psych 08-491 Senior Seminar	1
Approved elective in psychology	2
<b>Total Major Requirements</b>	<b>30</b>

Comprehensive Major in Psychology/Sociology, 55 hours:  
B.A., B.S.—No Minor Required

This major consists of psychology and sociology courses specifically designed to provide students with a broad exposure to the behavioral sciences. Students are required to take 27 semester hours from psychology and 27 semester hours from sociology. NOTE: The Comprehensive Major in Psychology/Sociology may be counted as a major in either psychology or sociology. Students choose either the psychology or sociology Senior Seminar course to complete the 55-hour program.

<b>Directed General Education Course</b>	<b>Semester Hours</b>
Math 17-114 General Statistics	3
<b>Psychology Requirements</b>	
Psych 08-203 Issues in Psychology	3
Psych 08-223 Abnormal Psychology	3
Psych 08-233 Psychological Testing	3
Psych 08-333 Developmental Psychology	3
Psych 08-343 Biological Psychology	3
Psych 08-363 Psychology of Personality	3
Psych 08-373 Learning and Motivation	3
Psych 08-423 History and Systems of Psychology	3
<b>Total Psychology Requirements</b>	<b>24</b>
<b>Sociology Requirements</b>	
*Soc 35-101 General Sociology	3
Soc 35-217 The Family	3
Soc 35-230 Social Problems	3
Soc 35-318 Social and Cultural Foundations of Personality	3
Soc 35-330 Social Stratification	3
Soc 35-365 Social Psychology	3
Soc 35-455 Sociological Theory	3
<b>Total Sociology Requirements</b>	<b>21</b>
<b>Emphasis Option I: Psychology</b>	
Psych 08-491 Senior Seminar	1
Psych 08-334 Research Methods in Psychology	3
Approved elective in psychology	3
Approved elective in sociology	3
<b>Emphasis Option II: Sociology</b>	
Soc 35-491 Senior Seminar	1
Soc 35-450 Research Methods in Sociology	3
Approved elective in psychology	3
Approved elective in sociology	3
<b>Total Major Requirements</b>	<b>55</b>

\*Cannot be used to fulfill any General Education requirement.

### Comprehensive Major in Industrial Psychology, 61 hours:

#### B.S.—No Minor Required

This major prepares the student to handle the major functions of an industrial/government personnel officer. The program combines the knowledge of how an organization operates with the knowledge of how the human factor operates, to produce a graduate capable of maximizing the contribution of the employee in achieving the organization's goal.

Students choosing a Comprehensive Major in Industrial Psychology must complete the following major requirements:

<b>Directed General Education Courses</b>	<b>Semester Hours</b>
Psych 08-103 General Psychology	3
Econ 52-150 General Economics I	3
Math 17-114 General Statistics	3
<b>Required Courses</b>	
Acct 51-201 Accounting I	3
Acct 51-202 Accounting II	3
Econ 52-151 General Economics II	3
Fin 53-311 Business Law I	3
Fin 53-324 Fundamentals of Business Finance	3
Math 17-118 College Algebra	3
Mgmt 54-310 Managerial Communication	3
Mgmt 54-313 Principles of Management	3
Mgmt 54-314 Human Resource Management	3
Mgmt 54-320 Negotiations	3
Mkt 55-330 Principles of Marketing	3
Psych 08-203 Issues in Psychology	3
Psych 08-223 Abnormal Psychology	3
Psych 08-233 Psychological Testing	3
Psych 08-313 Industrial and Organizational Psychology	3
Psych 08-363 Psychology of Personality	3
Psych 08-373 Learning and Motivation	3
Psych 08-453 Contemporary Issues in Industrial and Personnel Work	3
Psych 08-491 Senior Seminar	1
Soc 35-365 Social Psychology	3
Soc 35-450 Research Methods in Sociology	3
<b>Total Major Requirements</b>	<b>61</b>

### Comprehensive Major in Biology/Psychology, 67-68 hours:

#### B.S.—No Minor Required

This major allows students to complete individual programs of study arranged by advisors in both the Department of Biological Sciences and the Department of Psychology, Sociology and Counseling. While requiring students to complete half their class work as advised by each department, the number of elective hours gives this 67-68 hour program of study flexibility that allows students to tailor the major to their individual and specific academic needs. This program provides interdisciplinary training for a future career and/or graduate level training in psychology, biology, allied health or related fields. Students are urged to see advisors in both departments at an early date to contract a program of study.

<b>Required Courses for Psychology</b>	<b>Semester Hours</b>
Psych 08-223 Abnormal Psychology	3
Psych 08-333 Developmental Psychology	3
Psych 08-343 Biological Psychology	3
Psych 08-443 Advanced Biological Psychology	3
Psych 08-373 Learning and Motivation	3
Electives as determined and approved by the psychology advisor	15
<b>Required Courses for Biology</b>	
Bio 04-114/115 General Zoology and Laboratory	4
Bio 04-350 Genetics	3
Bio 04-491 Biological Science Seminar	1
Chem 24-114/115 General Chemistry I and Laboratory	4
Chem 24-116/117 General Chemistry II and Laboratory	5
Choose one of the following with advisor approval:	
*Phys 25-110/111 General Physics I and Laboratory (4) OR	
*Phys 25-112/113 General Physics II and Laboratory (4) OR	
Chem 24-242/243 Organic Chemistry and Laboratory (4) OR	
Chem 24-342/343 Organic Chemistry I and Laboratory (5)	4-5
Electives as determined and approved by the biology advisor	16
<b>Total Major Requirements</b>	<b>67-68</b>

\*Cannot be used to also fulfill the General Education requirement.

#### **Directed General Education Courses**

Psych 08-103 General Psychology	3
Math 17-118 College Algebra	3
Bio 04-112/113 General Botany and laboratory	4
Phys 25-110/111 General Physics I and Laboratory (4) OR	
Phys 25-112/113 General Physics II and Laboratory (4)	4

## MINORS

Minor in Psychology, 24 hours

<b>Required Courses</b>	<b>Semester Hours</b>
Soc 35-365 Social Psychology	3
Psych 08-223 Abnormal Psychology	3
*Psych 08-333 Developmental Psychology	3
Psych 08-363 Psychology of Personality	3
Psych 08-373 Learning and Motivation	3
Psych 08-423 History and Systems of Psychology	3
Electives in psychology	6
<b>Total Minor Requirements</b>	<b>24</b>

\*FCS Majors must substitute an additional psychology elective

Interdisciplinary Minor in Gerontology, 24 hours: B.A., B.S.

<b>Required Courses</b>	<b>Semester Hours</b>
FCS 15-316 Gerontology	3
FCS 15-540 The Adult Learner	3
Psych 08-383 Psychology of Aging	3

Com 29-345 Geriatric Communication Disorders OR	
Com 29-553 Language, Speech and Hearing of the Exceptional Child and Adult	3
PE 22-410 Adapted Physical Education	3

**Choose 9 hours from the following courses to total 24 hours:** 9

- \*\*FCS 15-214 Human Development (3) OR
- Psych 08-333 Developmental Psychology (3)
- FCS 15-526 Independent Living for Special Populations (3)
- Rec 45-243 Introduction to Therapeutic Recreation (3)
- Rec 45-245 Leisure Services and Special Populations (3)
- Rec 45-345 Therapeutic Recreation Program Design (3)
- PE 22-550 Community Health (3)
- Psych 08-233 Abnormal Psychology (3)
- Bio 04-104 Medical Terminology (3)
- Com 29-325 Listening Behavior and Skills (3)
- Com 29-335 Interpersonal Communication (3)
- Com 29-336 Body Language (3)

**\*\*Only majors other than FCS and Psychology may select one of these courses.**

## SOCIOLOGY DEGREE PROGRAMS

Sociology primarily is concerned with causally explaining social action. The goals of the sociology curriculum are threefold. First, it provides an essential part of a liberal arts education by showing how to develop and apply the sociological perspective. Such a perspective achieves a better understanding of different people in their various cultural contexts. A second function is to help prepare for possible positions in social service, government, education, business and other occupational contexts calling for sociological understanding and assessment. The third goal is to provide a basis for graduate professional training, preparing for higher level positions in academic, governmental or business-industrial settings.

Anthropology traditionally has been concerned with social and cultural change in preliterate and developing societies, as well as with their language systems, religions, beliefs, artifacts, families, economies, governments and values.

### Advanced Standing Requirement

For all undergraduate sociology degree programs:

1. Completion of all Directed General Education Courses with a minimum GPA of 2.00;
2. Completion of Soc 35-101 General Sociology, and at least one, but not more than three, other sociology courses; and
3. A 2.00 GPA for any sociology courses taken prior to declaring the major.

## MAJORS

Major in Sociology, 31 hours: B.A.—Minor Required

<b>Directed General Education Course</b>	<b>Semester Hours</b>
Math 17-114 General Statistics	3
<b>Required Courses</b>	
*Soc 35-101 General Sociology	3
Soc 35-217 The Family	3
Soc 35-230 Social Problems	3
Soc 35-330 Social Stratification	3

Soc 35-365 Social Psychology	3
Soc 35-421 Criminology	3
Soc 35-443 Family Problems in Modern Society	3
Soc 35-450 Research Methods in Sociology	3
Soc 35-455 Sociological Theory	3
Soc 35-491 Senior Seminar	1
Soc 35-495 Field Placement/Internship in Sociology/Social Work	3
<b>Total Major Requirements</b>	<b>31</b>

\*Cannot be used to fulfill any General Education requirement.

### Major in Sociology, 37 hours, B.S.—Minor Required

Required Courses	Semester Hours
*Soc 35-101 General Sociology	3
Soc 35-230 Social Problems	3
Soc 35-330 Social Stratification	3
Soc 35-365 Social Psychology	3
Soc 35-450 Research Methods in Sociology	3
Soc 35-455 Sociological Theory	3
Soc 35-491 Senior Seminar	1
<b>Total Hours</b>	<b>19</b>

\*Cannot be used to fulfill any General Education requirement.

### Emphasis Option I: Social Foundations 12

Choose four courses:

- Soc 35-318 Social and Cultural Foundations of Personality (3)
- Soc 35-323 Deviant Behavior (3)
- Soc 35-440 Fundamentals of Social Work (3)
- Soc 35-443 Family Problems in Modern Society (3)
- Soc 35-495 Field Placement/Internship Sociology/Social Work/Corrections (3)

### Option I Electives chosen from the following courses: 6

- Soc 35-108 General Anthropology (3)
- Soc 35-217 The Family (3)
- Soc 35-337 Race, Ethnic and Gender Issues in Modern Society (3)
- Soc 35-460 Key Issues in Sociological/Anthropological Theory (3)
- Soc 35-479 Independent Study in Sociology/Anthropology (1-3)

### Emphasis Option II: Corrections 15

Take all the following courses:

- Soc 35-240 Introduction to Corrections (3)
- Soc 35-320 Delinquency (3)
- Soc 35-360 Residential Treatment Strategies (3)
- Soc 35-370 Community Corrections (3)
- Soc 35-421 Criminology (3)

### Option II Electives chosen from the following courses: 3

- Soc 35-316 Urban Sociology (3)
- Soc 35-323 Deviant Behavior (3)
- Soc 35-495 Field Placement/Internship Sociology/Social Work/Corrections (3)

### Total Major Requirements 37

## Comprehensive Major in Psychology/Sociology, 55 hours: B.A., B.S.—No Minor Required

This major consists of psychology and sociology courses specifically designed to provide students with a broad exposure to the behavioral sciences. Students are required to take 27 semester hours from psychology and 27 semester hours from sociology. NOTE: The Comprehensive Major in Psychology/Sociology may be counted as a major in either psychology or sociology. Students choose either the psychology or sociology Senior Seminar to complete the 55 hour program. See “Psychology Majors” section for specific course requirements.

## MINOR

### Minor in Sociology, 24 hours

Required Courses	Semester Hours
*Soc 35-101 General Sociology	3
*Soc 35-108 General Anthropology	3
Soc 35-217 The Family	3
Soc 35-330 Social Stratification	3
Soc 35-365 Social Psychology	3
Soc 35-440 Fundamentals of Social Work Practice	3
Soc 35-455 Sociological Theory	3
Approved electives in sociology (See minor advisor)	3
<b>Total Minor Requirements</b>	<b>24</b>

\*Cannot be used to fulfill any General Education requirement.

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## Course Descriptions

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### Psychology / 08

#### 103 General Psychology (3 hours)

A survey course designed to introduce students to the foundation of human and animal behavior. Students will study the content and the processes used by behavioral scientists to discover, describe, explain and predict human behavior. The course provides an environment in which students learn how to critically evaluate the biological, social/cultural and psychological variables that contribute to behavior and to reflect on those to develop an informed sense of self and others. (F, S, SS)

#### 203 Issues in Psychology (3 hours)

This course is a survey of the field of scientific psychology, emphasizing the methods used in conducting research and statistical analyses. Using studies from diverse areas of the field, students learn by example the techniques for exploring the important questions in the field of

psychology. This course is intended for prospective psychology majors. Prerequisite: Psych 08-103. (F, S)

#### 212 Personal Adjustment (3 hours)

Involves clarification of the assumptions, concepts and problems associated with personal adjustment and the field of mental health. It will include some history, definitions of mental health and mental health models. Emphasis is on preventive mental health, personal adjustment and community-based treatment facilities. Prerequisite: Psych 08-103. (S)

#### 223 Abnormal Psychology (3 hours)

Studies behavior patterns considered by society to be maladaptive. The emphasis is on diagnostic categories, relating diagnostic categories to symptom patterns and studying the etiology of symptom patterns. Therapeutic approaches are also presented. Prerequisite: Psych 08-103. (F, S)

**233 Psychological Testing (3 hours)**

Surveys (1) descriptive statistics, (2) the concepts of reliability and validity, (3) test construction, (4) the social and ethical implications of tests, and (5) widely used tests in selected areas. Prerequisites: Psych 08-203 and Math 17-114. (F, S)

**303 Educational Psychology (3 hours)**

Emphasizes understanding and application of behavior principles that affect classroom instruction. Subject areas studied are cognitive development, learning, motivation and evaluation. Intended for prospective teachers and others interested in psychology as applied to education. Suggested prerequisite: Psych 08-103. (F, S, SS)

**312 Child Psychology (2 hours)**

An introduction to human development prior to adolescence. Emphasis is placed upon understanding the genetic and environmental contributions to behavior, physical, social, intellectual, emotional and moral. The perspective used includes research, interpersonal and institutional components. Intended for prospective elementary school teachers. Suggested prerequisites: Psych 08-103 and 303. (F, S)

**313 Industrial and Organizational Psychology (3 hours)**

Surveys the important applications of behavioral science to industry. Topics include personnel selection and placement, job attitudes and work motivation, human engineering, drugs and alcohol in industry, etc. Prerequisite: Psych 08-103. (F)

**317 Psychology of Early Adolescence (2 hours)**

Survey of the developmental transformations from childhood to adolescence. The class examines the physical, cognitive, emotional and social changes unique to early adolescents. Intended for prospective middle school teachers. Application of this knowledge for teaching and intervention with at-risk adolescents is an important goal of this course. Suggested prerequisites: Psych 08-103 and 303. (SS, even years)

**322 Adolescent Psychology (2 hours)**

Examines the physical, mental, emotional and social life of the individual from puberty to legal adulthood and the influence of this growth period on the personal habits, attitudes, interests and social adjustments. Intended for prospective high school teachers. Attention is given to factors in

the home, community and school that influence adolescent behavior and personality. Suggested prerequisites: Psych 08-103 and 303. (F, S, SS)

**333 Developmental Psychology (3 hours)**

A comprehensive survey of human developmental principles emerging during conception and continuing through to the process of death. Emphasis is placed upon the physical, intellectual, cognitive and social-emotional growth from research, theoretical and applied viewpoints based upon empirically demonstrated psychological knowledge. Prerequisite: Psych 08-103 or 303. (F, S, SS)

**334 Research Methods in Psychology (3 hours)**

Provides an experimental framework for studying various psychological problems. Emphasis is on identification of problems, designing of experiments, analysis of data and reporting the research that the student has conducted. Prerequisites: Psych 08-203, 233 and Math 17-114 or permission of instructor. (F, S)

**343 Biological Psychology (3 hours)**

An examination of the relationship between behavior, thinking, and emotion and the underlying biological mechanisms of behavior, including elementary neuroanatomy and neurophysiology. Prerequisites: Psych 08-103 and 223. (F, S)

**363 Psychology of Personality (3 hours)**

Examines individual patterns of behavior. Various personality theories and models are studied. Emphasis is on understanding individual personality and its effect on interpersonal relations. Research information relevant to personality is surveyed. Prerequisite: Psych 08-103. Suggested prerequisite: Psych 08-334. (F, S)

**373 Learning and Motivation (3 hours)**

A systematic review of the facts, concepts and principles which describe classical and operant conditioning, extinction theory, generalization/discrimination processes and concept learning. Prerequisite: Psych 08-103. (F, S, SS)

**383 Psychology of Aging (3 hours)**

A comprehensive survey of the changes older adults experience in the areas of physical decline, intellectual/cognitive functioning, socioeconomic adjustment and death/dying. Prerequisite: Psych 08-103. (F, even years)

**419 Independent Study (1-3 hours)**

Allows an intensive, in-depth study by junior and senior psychology majors and minors in any area of their choice subject to the permission of the professor and the department chairperson. Minimum of 13 hours in psychology and consent of chairperson. May be repeated for a total of 3 hours. Prerequisite: Psych 08-103. (F, S, SS)

**423 History and Systems of Psychology (3 hours)**

An in-depth survey of the philosophical/historical foundations of psychology from 500 B.C. to the 1950s A.D. Emphasis is placed upon understanding how classic trends of thought created a variety of approaches directed toward the description/explanation of human behavior. Prerequisites: A minimum of 15 hours of psychology including Psych 08-103, 363 and 373. (F, S)

**438 Principles of Counseling (3 hours)**

Provides students with an overview of counseling as applied in a variety of settings, reviews differing counseling theories and techniques as well as types of problems encountered in counseling and includes a survey of research related to counseling. Prerequisites: Psych 08-103 and 223. (F)

**443 Advanced Biological Psychology (3 hours)**

An in-depth analysis of the anatomical and physiological correlates of behavior. Emphasis is placed on the physiological basis of sensation and perception, the brain mechanisms and control of movement, the genetic basis of personality, the biological basis for alcohol and drug dependency, neuropsychological disorders and an introduction to psychopharmacology. Other topics may be included. Prerequisite: Psych 08-103, 343 or permission of instructor. (F, odd years)

**453 Contemporary Issues in Industrial and Personnel Work (3 hours)**

Introduces important current applications of behavioral science to industry. Topics covered include personnel selection and placement strategies as well as federal/state laws governing selection, placement and retention of workers. Prerequisites: Psych 08-103, 313 and Soc 35-450. (S)

**473 Cognitive Psychology (3 hours)**

An in-depth survey of the philosophical/historical foundations of cognition, the nature of stimulus processing/attention/pattern recognition, the nature of memory, the nature of concept learning,

the necessity for language as a tool of cognition and the phenomenon known as principle learning/problem-solving. Prerequisites: Psych 08-103 and 373. (S, odd years)

**491 Senior Seminar (1 hour)**

This course is designed to help the student better prepare for career choices after graduation. During their last trimester of coursework, the student will use acquired research skills to present information to the class in an effective manner. Improvement of interpersonal communication, organization of information and skill of presenting ideas and data will be emphasized. Suggested prerequisites: Psych 08-223, 363, Soc 35-365, and Math 17-114. (F, S, SS)

**495 Field Placement/Internship (3 hours)**

Placement in approved facility offering psychological or human service activities. Prerequisite: Completion of 20 hours in psychology courses and instructor approval. (F, S, SS)

**500 Special Offering (1-4 hours)**

Prerequisites: Psych 08-103 and consent of instructor and department chairperson.

**513 Psychology of Language Development (3 hours)**

A primer course addressing the origins/development of word order in sentences, normal language development trends in children, how meaning is learned/developed, and how cognition assists in/profits from the growth of meaning. Prerequisite: Senior or graduate standing. (F, odd years)

**533 Behavior Analysis (3 hours)**

An in-depth investigation into the theoretical and applied aspects of the facts, concepts and principles pertaining to classical and operant conditioning/extinction, consideration of the major learning theories as they apply to behavior and consideration of the clinical/counseling implications gained from behavior analysis. Prerequisites: Psych 08-373 and senior or graduate standing. (F)

**School Counseling / 68****520 Drug Prevention and Education in Schools (3 hours)**

Prepares the classroom teacher to become an effective drug-education facilitator. The emphasis is on methods and techniques useful in helping youth develop a positive self-concept, im-



prove communication skills, clarify value issues and assimilate information regarding drug issues. Prerequisites: Psych 08-103 and senior or graduate standing. (F, S)

### **570 Principles and Practices of the K-12 Guidance Program (3 hours)**

Provides a general orientation to the role and function of the K-12 school counselor. Both the functions of guidance and counseling are examined. Prerequisite: Senior or graduate standing. (SS)

## **Sociology / 35**

### **101 General Sociology (3 hours)**

This course is designed to provide a greater understanding of the social world. Sociology is defined as a scientific study of human behavior in social life with an assumption that there are social forces which shape and influence patterns of behavior and ways of thinking. These include social forces such as culture, stratification, age, gender, race and ethnicity, and globalization. Several sociological perspectives serve as the point of reference by which human behavior at the micro and macro level are better understood. (F, S, SS)

### **217 The Family (3 hours)**

The family is studied as a historical and changing social institution. The structure and patterns of the family in modern life are examined. Prerequisite: Soc 35-101. (F)

### **230 Social Problems (3 hours)**

This course is designed to explore competing explanations for the causes and/or influences of, and cures for social problems at the micro and macro levels. The course critically analyzes dominant definitions of social problems, the political and economic roots of these problems, and the public policies aimed at reducing them. Prerequisite: Soc 35-101. (F)

### **240 Introduction to Corrections (3 hours)**

An introduction to the history, concept and realities of crime and punishment with an emphasis on the increasing social significance and diversity of prisons and the penal system in American society. Prerequisites: Psych 08-103 or Soc 35-101. (F, even years)

### **316 Urban Sociology (3 hours)**

Course is designed to provide students with a better understanding of the structure and func-

tion of urban areas in society. Examines the dynamic relations of cities, not only in the U.S., but in the Third World. Discussions on urban processes and urban life will cover theoretical approaches and various urban problems such as poverty, ethnic minority concentration, crime in urban settings, and recent developments in urban sociology, including new network approaches to city systems and global cities. (F, odd years)

### **318 Social and Cultural Foundations of Personality (3 hours)**

This course examines the historical development of youth in Western culture and the status of youth in contemporary American society. Focuses on males and females growing up in America. Prerequisite: Soc 35-101. (F, even years)

### **320 Delinquency (3 hours)**

Theories and causes of delinquency. Examines antisocial behavior and delinquent behavior in gangs. Prerequisite: Soc 35-101. (S, odd years)

### **323 Deviant Behavior (3 hours)**

An examination of rule breaking behavior. This course will focus on theories of criminal, non-criminal and organizational deviance. In addition, this class will examine in some detail a variety of deviant behaviors. Included among the forms of deviance addressed are mental illness, sex related deviance, corporate crime, white-collar crime, governmental deviance, organized crime and common crime. Prerequisite: Soc 35-101. (S)

### **330 Social Stratification (3 hours)**

Structures and functions of social inequality and their differential impact on life patterns. Includes theories of stratification, social class identification, social-psychological and structural variables in social mobility, life patterns in each social class and potential for change. Prerequisite: Soc 35-101. (F)

### **337 Race, Ethnic and Gender Issues in Modern Society (3 hours)**

Designed to develop the student's awareness of his/her own identity in terms of ethnicity and to enhance a positive sense and recognition of the different experiences and values of the diverse minority groups within American society. Examines the beliefs and values which are embedded in various types of stereotypes and prejudice. Ethnic minority groups such as African Americans, Hispanic Americans and Asian Americans will be studied. Also theoretical and social issues on women as a minority will be discussed. Prerequisite: Soc 35-101 (F, even years)

**360 Residential Treatment Strategies (3 hours)**

A complimentary course to Community Corrections (Soc 35-370) but with a particular focus on alternative forms of corrections including various forms of community reintegration, half-way houses, community treatment centers, volunteer programs and graduated release programs. Prerequisites: Psych 08-103, Soc 35-101 (S, odd years)

**365 Social Psychology (3 hours)**

An introductory course probing the development of human behavior in its social context. Significant theories and methodologies in social psychology developed within the disciplines of sociology and psychology are considered, along with representative research in areas such as social perception and attribution, interpersonal attraction, aggression, altruism, role- and self-development and group processes. Prerequisites: Soc 35-101 or Psych 08-103. (F, S, SS)

**370 Community Corrections (3 hours)**

An in-depth investigation of the role of probation, parole and other methods of community correction services with a special emphasis on their interface with other elements of the criminal justice system. Prerequisite: Soc 35-101. Suggested prerequisite: Soc 35-240 or 320. (S, even years)

**421 Criminology (3 hours)**

Examines the theory and research regarding the biological, psychological and sociological patterns of criminal behavior. Patterns of property crime, corporate crime and violent crime will be examined. Prerequisite: Soc 35-101. (F, odd years)

**440 Fundamentals of Social Work Practice (3 hours)**

Examines current private and public social welfare policy, organization, function and the historical development in relation to human need. Prerequisite: Soc 35-101. (S)

**443 Family Problems in Modern Society (3 hours)**

Course deals with problems that occur as a result of societal pressures and inadequate functioning within the family system. The class will choose specific topics of study from the following areas: alcoholism, violence, incest, dual career, single-parent, step-parent, divorce, death and others. Current literature will be read in lieu of a text. Prerequisite: Soc 35-217. (S, even years)

**450 Research Methods in Sociology (3 hours)**

An introduction to the scientific method as it is applied to social and behavioral research. Course content includes a study of basic research issues and research strategies utilized by social and behavioral researchers. Basic issues covered include research ethics, causality, the relationship between theory and research methods, and discussion of the differences between scientific social analysis and nonscientific social analysis. Quantitative survey strategies will be emphasized but unobtrusive methods and experimental designs will also be introduced. Prerequisite: Soc 35-101 or Math 17-114. (F)

**455 Sociological Theory (3 hours)**

A survey of the major theories of society from the classic positions through the present with special emphasis on contemporary theories. Prerequisite: Soc 35-101. (S)

**460 Key Issues in Sociological/Anthropological Theory (3 hours)**

Critical examination of status of theory and research involving key issues of contemporary knowledge in sociology/anthropology. Prerequisite: Soc 35-101 or 108. (F, even years)

**479 Independent Study in Sociology/Anthropology (1-3 hours)**

Directed readings and/or experiential contacts involving an in-depth probe of an area of sociology or anthropology and culminating in a written project. Students wishing to enroll need to prepare a short plan of study to be placed on file. (F, S, SS)

**491 Senior Seminar (1 hour)**

This course is designed to help the student better prepare for career choices after graduation. During the last trimester of coursework, the student will use acquired research skills to present information to the class in an effective manner. Improvement of interpersonal communication, organization of information, and skill of presenting ideas and data will be emphasized. (F, S, SS)

**495 Field Placement/Internship in Sociology/Social Work/Corrections (3 hours)**

Provides direct contact with helping agencies and paraprofessional experiences. Students will apply knowledge from behavioral science courses. Prerequisites: Soc 35-101, completion of 15 hours in sociology courses and instructor approval. (F, S, SS)

## ANTHROPOLOGY

### 108 General Anthropology (3 hours)

A survey course covering the origins of man, ancient man and prehistoric culture; faces of man and cultural capacity; historical and contemporary preliterate culture, including housing and handicrafts, marriage and kinship, status and role, property and government, religion and the supernatural. (S)

### 217 The Family (3 hours)

May be taken for credit as either sociology or anthropology, but not for both. See Soc 35-217.

### 318 Social and Cultural Foundations of Personality (3 hours)

Stages of personality change in different cultures

from infancy to old age. Cross-cultural research on the bearings of social structure on personality and identity formation. Comparative analysis of problems of socialization, enculturation and acculturation for the young and aging. Prerequisite: Soc 35-101 or 108. (F, even years)

### 460 Key Issues in Sociological/Anthropological Theory (3 hours)

May be taken for credit as either sociology or anthropology, but not for both. See Soc 35-460.

### 479 Independent Study in Sociology/Anthropology (1-3 hours)

May be taken for credit as either sociology or anthropology, but not for both. See Soc 35-479.

## Vocational Education

Specialized Vocational Education courses are available through programs in Agriculture, Business Education, and Family and Consumer Sciences Education. See these departmental listings. Frances Shipley coordinates the program.

### Vocational Education / 02

#### 193 FAA Ground School with Flight (3 hours)

This course is designed to give the student opportunity to complete 35 hours of ground school training in order to qualify for the Federal Aviation private pilot examination. The student will be required to complete 10 hours of flight instruction and/or solo. (Cost depends upon aircraft used.) (F, S, SS)

#### 195 Private Pilot Certification (2 hours)

This course is a continuation of Voc Ed 02-193, with flight training to complete flying requirements for the Federal Aviation private pilot's license. Prerequisite: Voc Ed 02-193 or equivalent. (Cost depends upon aircraft used.) (F, S, SS)

#### 500 Special Offerings (1-4 hours)

Courses which are offered on only one occasion or variable issue-oriented courses which have the content described in the title. Credit and prerequisites as announced. (F, S, SS)

#### 501 History and Philosophy of Vocational Education (2 hours)

Evolution of vocational education movement and its motivating influences in Europe and America; philosophies of vocational education; principles, practices and trends relating to legislation and relationship of vocational education to the total plan of public education. (Alt. years)

#### 503 Organization and Management of Vocational Education (2 hours)

The establishment and operation of vocational programs including organization, administration, supervision, curricula and evaluation. (Alt. years)

#### 506 Selection and Organization of Subject Matter in Vocational Education (2 hours)

Designed to provide teachers of vocational edu-

cation with knowledge of the problems, techniques and procedures in the selection and organization of vocational subject matter for instructional purposes in day, part-time, and evening schools and classes. (Alt. years)

#### 508 Guidance in Vocational Education (2 hours)

Designed to acquaint the student with an understanding of principles, methods and procedures of vocational guidance. Describes plans for developing a program to assist youth in preparation for entering upon and making adjustments in career choices. (Alt. years)

#### 510 Coordination of Cooperative Education (2 hours)

Procedures for organizing, delivering and supervising cooperative education programs. (Alt. years)

#### 515 Instructional Methods for Vocational Education (2 hours)

Studies scope and sequence of subject matter in vocational education; problems, methods, techniques, motivation and evaluation of student achievement will be discussed. (Alt. years)

#### 520 Special Investigations in Vocational Education (1-3 hours)

Independent study in vocational education where the selected problems to investigate could include topics such as methods, control, publicity, finance and equipment in the areas of trade, technical and health occupations. (F, S, SS)

#### 540 The Adult Learner (3 hours)

Organization and administration of programs for adults. A study of teaching procedures, recent trends in subject matter, materials, techniques and evaluation as applied to adult education. This course provides opportunity for observation and participation in adult programs. (Alt. years)

# The Missouri Academy of Science, Mathematics and Computing

*Dr. Cleopas Samudzi, Dean*

# The Missouri Academy of Science, Mathematics and Computing

**Dean:** Cleopas Samudzi

The Missouri Academy of Science, Mathematics and Computing is a residential program for Missouri high school students who are academically talented in mathematics, science and technology. Students enrolled in this two-year program live together on campus in their own residence hall and complete a rigorous program of college coursework. The goals of the Academy are to prepare outstanding Missouri students for continued success in top-tier college and university programs and to develop students with high levels of integrity and quality (a high IQ) who contribute to society in ethical and meaningful ways.

Academy students enroll for two years of regular Northwest college courses. At graduation, they will have earned both college credits and a high school diploma. The Academy supplements coursework with seminars, research, internship and public service opportunities, and offers intensive capstone courses during a four-week session in May. The Academy graduation ceremony is held at the conclusion of the May session.

Applicants must be Missouri residents currently enrolled in the tenth grade or equivalent, who will have completed geometry, Algebra I and Algebra II by the end of the sophomore year. The Academy accepts students with distinction in math and science who have achieved exceptional scores on the ACT or related standardized tests, and can demonstrate the maturity and capacity to benefit from the Academy experience.

All Academy students receive scholarships for tuition, fees and books. The student is responsible for room and board charges. However, the Academy places a high priority on drawing able students from diverse backgrounds and providing access regardless of socioeconomic status. Therefore, it provides room and board scholarships to students with financial need.

Additional information and application forms can be obtained from the Missouri Academy by calling (660) 562-1960, via email to [MASMC@mail.nwmissouri.edu](mailto:MASMC@mail.nwmissouri.edu) or on its website at [www.nwmissouri.edu/MASMC](http://www.nwmissouri.edu/MASMC).

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## Course Descriptions

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### Missouri Academy of Science, Mathematics and Computing / 81

#### 101 Freshman Seminar (1 credit hour)

Freshman Seminar is designed to introduce students to Northwest Missouri State University. Topics of exploration will include: adjustment to University life, skills necessary to make the most of the University experience, General Education requirements, academic programs and advisement, career exploration, campus and community resources, taking advantage of cultural and extra-curricular events, and assuming responsibility for one's own University experience.

#### 102 Seminar on You and Your Community (1 credit hour)

This seminar will explore academic skills that help the student to be academically successful. The students will also discuss living in, and contributing to, the community in which they live.

#### 103 Colloquium (1 credit hour)

Selected topics suitable for second year Academy students. May be repeated for a maximum of 2 credit hours. Prerequisite: MOAC 81-102.