

College of Education

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THE COLLEGE OF EDUCATION is accredited by the National Council for Accreditation of Teacher Education for the preparation of teachers and school service personnel with the doctor's degree as the highest degree approved. Emphasis in all programs is upon the preparation of personnel who will be able to meet successfully the performance demands of the roles they assume in their professional positions.

Undergraduate Curricula

Bachelor's degree options in the College of Education are the Bachelor of Science in Education and the Bachelor of Music Education.

Teaching and non-teaching programs are offered through the College of Education. Teaching programs are presented first, followed by non-teaching programs.

Scholastic Requirements

The Selective Admission and Retention Program in Teacher Education — In recognition of responsibilities to the schools in which its graduates teach, the College maintains a program of selective admission and retention of candidates for the teaching profession. This program is designed to assure that no candidates are recommended for admission to the Teacher Education Program, the professional internship or certification unless they are deemed competent in their university studies and professional performance.

Transfer Requirements — A minimum GPA of 2.5 (on a four-point scale) on all college courses attempted, on all courses attempted at Auburn, and on all courses attempted in the intended program is required to transfer into the College of Education.

Admission to Teacher Education in Early Childhood Education and Elementary Education Programs — Effective summer 1997, all freshmen and transfer students entering the Early Childhood Education program will be classified pre-Early Childhood (GCEC); all freshmen and transfer students entering the Elementary Education program will be classified pre-Elementary (GCEE). Admission to Teacher Education will occur in each of these two programs following the procedures listed below.

- Students must submit a formal written application for admission to Teacher Education after completing at least 45 semester hours applicable to their program, usually at the end of the sophomore year. To be eligible to apply, the following criteria must be met:
 - minimum cumulative GPA of 2.5 on all course work attempted,
 - minimum cumulative GPA of 2.5 on all course work attempted in the program, in professional studies and in the teaching area,
 - at least 15 semester hours completed at Auburn with a minimum cumulative AU GPA of 2.5,
 - satisfactory performance on a written basic skills test,
 - successful performance in the pre-professional field experience (pre-teaching),
 - in Early Childhood, completion of Analytic Geometry and Calculus I (MATH 1610).
- All students meeting the above criteria who are applying for junior-level admission to these two programs will be ranked by GPA from 4.0 downward on all college course work attempted. The top 26 candidates for Early Childhood Education will be forwarded each semester, excluding summer, to total 52 per year. The top 25 candidates for Elementary Education will be forwarded each semester and summer, to total 75 per year.
- The selected candidates will be eligible to proceed to the professional interview for admission to Teacher Education.
- Once admitted, the student's curriculum designation will be changed to Early Childhood (CEC) or Elementary (CEE).

Students who apply and are not selected for admission to Teacher Education in one of these two majors will be counseled as to their options in education, but may not continue to pursue that major.

Admission to Teacher Education in All Other Programs — The following criteria also apply to students enrolled in Early Childhood or Elementary programs at AU prior to summer 1997.

- Students must submit a formal written application for admission to Teacher Education after completing at least 45 semester hours applicable to their program, usually at the end of the sophomore year. To be eligible to apply, the following criteria must be met:
 - minimum cumulative GPA of 2.5 on all course work attempted,
 - minimum cumulative GPA of 2.5 on all course work attempted in the program, in professional studies and in the teaching area,
 - at least 15 semester hours completed at Auburn with a minimum cumulative AU GPA of 2.5,
 - satisfactory performance on a written basic skills test,
 - successful performance in the pre-professional field experience (pre-teaching),
 - in Early Childhood, completion of Analytic Geometry and Calculus I (MATH 1610).
- All students meeting the above criteria will be eligible to proceed to the professional interview for admission to Teacher Education.

Students who fail to meet these criteria upon initial application may submit new evidence in an effort to satisfy any and/or all of the above standards.

Retention in Teacher Education Programs — While retention in the Teacher Education Program is based on the continuous evaluation of students, a formal evaluation takes place as a pre-requisite for admission to the professional internship. Requirements for admission to the professional internship are: (1) admission to the Teacher Education Program; (2) completion of appropriate courses in the area of specialization as specified on the program checklist; (3) a minimum GPA in each of the following: (a) Auburn University cumulative, (b) professional teacher education, (c) the teaching major(s) and overall program; (4) demonstrated potential for teaching.

To be eligible for graduation with recommendation for teacher certification, students will be expected to complete the requirements identified above and demonstrate readiness to teach through a successful internship and exit evaluation.

Persons with degrees may apply for study in a curriculum leading to professional certification. The same standards must be met to qualify for recommendation for certification. Applications and specific information about the criteria for admission to Teacher Education are available from the Teacher Education Services Office in 3464 Haley Center.

Professional liability (tort) insurance is required for students in designated majors.

Program Options, Teaching

The following table shows teacher education program options available in the College of Education. Programs appear by department.

Department and Program	Grade Levels				
	P-3	K-6	4-8*	6-12	P-12
Curriculum & Teaching					
Agriscience Education				X	
Biology				X	
Business Education				X	
Chemistry.....				X	
Early Childhood.....				X	
Elementary.....		X	*		
English Language Arts			*	X	
French			*	X	
General Science.....			*	X	
General Social Science			*	X	
Geography				X	
German.....			*	X	
History.....				X	
Mathematics			*	X	
Music, Instrumental				X	
Music, Vocal/Choral				X	
Physics.....				X	
Spanish.....			*	X	
Health & Human Performance					
Physical Education					X
Rehabilitation & Special Education					
Collaborative Teacher			X		

Early Childhood Special Education (birth through 8 years)

* Students completing an Elementary Education (K-6) program or some Secondary Education (6-12) programs may complete additional course work to add a Middle School (4-8) teaching endorsement.

Requirements for Fields of Specialization

Curriculum models appear below. Curriculum check lists are available in the Office of Teacher Education Services, 3464 Haley Center.

Minors

ADULT EDUCATION MINOR

15 semester hours in Minor (minimum 9 hours at 3000-level or above)

Courses required:		Cr Hrs.
ADED	4600	Nature of Adult Education3
ADED	4620	Comm. Concepts, Programs and Resources3
ADED	4660	Teaching in the Non-School Setting.....3
ADED	4970	Special Topics in AE.....3
An Adult Education adviser approved elective		3

EXERCISE SCIENCE MINOR

16 semester hours in Minor

Courses required:		Cr Hrs.
HLHP	3020	Sci. Found in Health & Human Performance.....4
HLHP	3620	Biomechanics.....4
HLHP	3650	Motor Learning & Performance.....4
HLHP	3680	Physiology of Exercise.....4

OFFICE SYSTEMS MANAGEMENT MINOR

15-17 semester hours in Minor (minimum 9 hours at 3000-level or above)

Courses required:		Cr Hrs.
CTCT	1200	Keyboarding & Formatting4
CTCT	2200	Document Processing4
CTCT	3000	Leadership Skills for Pers./Org. Dev.4
CTCT	3200	Records Management.....4
CTCT	3240	Information Processing I.....4
CTCT	3250	Information Processing II.....4
CTCT	4200	Managing Office Systems.....4
CTCT	4940	Directed Field Experience in Business Ed.....4
CTCT	4970	Special Topics in Business & Office Ed.4

SPORT COACHING MINOR

16 semester hours in Minor

Courses required:		Cr Hrs.
HLHP	3020	Sci. Found in Health & Human Performance.....4
HLHP	3820	Principles of Sport Coaching.....3
HLHP	4620	Exercise & Sport Psychology.....3
HLHP	4950	Seminar4
HLHP	4910	Practicum2

Curriculum and Teaching

Curriculum in Agriscience Education

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II3	3	3
			Core History.....3	3	3
BIOL	1000		Introduction to Biology4	--	--
BIOL		1020	Principles of Biology.....4	4	4
			Core Math.....3	--	--
			Elective.....1	2	2
			Core Philosophy.....3	3	3
				14	15
SO					
ENGL	2200	2210	Great Books I & II.....3	3	3
			Core Social Science Group 1.....3	--	--
ECON		2020	Microeconomics.....3	3	3
ANSC		1000	Introduction to Animal & Dairy Science.....4	4	4
			Core Fine Arts.....3	--	--
CHEM	1010		Survey of Chemistry.....3	--	--
CHEM	1011		Survey of Chemistry Lab.....1	--	--
HORT	2020		Horticulture Crop Production.....3	--	--
AGEC	2100		Microcomp. App. or Directed Elective.....3	--	--
			Directed Elective.....2	2	2
				16	15
JR					
EDUC	3000		Diversity of Learners & Settings +.....6	--	--
FOUN		3110	Adol Dev Learn Mot & Assess I * +.....3	3	3
AGRN	3150		Turfgrass Management.....4	--	--
FOUN		3120	Adol Dev Learn Mot & Assess II * +.....3	3	3
HORT	2210		Landscape Gardening.....4	--	--
CTCT		3100	Power Equip Technology.....3	3	3
AGRN		2040	Soils.....4	--	--
AGEC		3010	Ag Marketing.....3	4	4

SR					
CTCT	4030		Youth Organizations.....3	--	--
CTCT		4920	Professional Internship *.....9	--	--
CTCT		4060	Program Planning in AOS * ++.....3	--	--
CTCT		4000	Class/Lab Mgt, Org, Eval * ++.....3	--	--
CTCT	4140		Structures & Metal Fab.....3	--	--
CTCT	4050		Teaching in AOS * +.....3	--	--
CTCT	4970		Special Topics in Agriscience.....3	--	--
CTCT	4160		SAEP.....2	--	--
CTCT	4940		Field Experience.....1	--	--
				15	15

TOTAL HOURS — 120

Directed Elective: see adviser for approved course listing.
 Students may apply for internship one year prior to internship.
 * Pre-requisite admission to Teacher Education.
 + Pre-requisite to internship.
 ++ Co-requisite with internship.

Curriculum in Business & Office Education

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II3	3	3
			Core History.....3	3	3
			Core Social Science Group 1.....3	--	--
ECON		2020	Microeconomics.....3	3	3
			Core Fine Arts.....3	--	--
			Core Math.....3	--	--
CTCT		1200	Keyboard & Format or Elective.....3	--	--
COMM			Oral Comm Elective.....3	3	3
				15	15
SO					
ENGL	2200	2210	Great Books I & II.....3	3	3
			Core Science.....4	4	4
			Core Philosophy.....3	--	--
			Directed Elective.....2	2	2
CTCT	2200		Document Processing.....3	--	--
ACCT		2990	Business Law.....3	3	3
ACCT			2110 or 2150.....3	--	--
FINC		2400	Personal Finance or.....3	--	--
HDFS		2020	Family Resource Management.....3	3	3
				16	15
JR					
EDUC	3000		Diversity of Learners & Settings +.....6	--	--
FOUN		3110	Adol Dev Learn Mot & Assess I * +.....3	3	3
FOUN		3120	Adol Dev Learn Mot & Assess II * +.....3	3	3
MKTG	3310		Principles of Marketing or Dir. Elective..3	--	--
CTCT	3240	3250	Information Processing I & II.....3	3	3
CTCT		3200	Records Management.....2	2	2
MNGT	3100		Principles of Management.....3	--	--
ENGL		3080	Business Writing.....3	3	3
				15	14

SR					
CTCT	4030		Vocational Student Org.....3	--	--
CTCT		4920	Professional Internship *.....9	--	--
CTCT		4060	Program Planning in AOS *.....3	--	--
CTCT		4000	Class/Lab Mgt, Org, Eval * ++.....3	--	--
CTCT	4200		Managing Office Systems.....3	--	--
CTCT	4050		Teaching in AOS * +.....3	--	--
CTCT	4940		Dir Field Experience.....3	--	--
CTCT	6080		Coord. Sup Work Lrn or Dir. Elective.....3	--	--
				15	15

TOTAL HOURS — 120

Directed Elective: see adviser for approved course listing.
 Students may apply for internship one year prior to internship.
 * Pre-requisite admission to Teacher Education.
 + Pre-requisite to internship.
 ++ Co-requisite with internship.

Curriculum in Early Childhood Education

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II3	3	3
			Core History.....3	3	3
			Core Science.....4	4	4
			Pre-Calculus with Trigonometry.....3	--	--
MATH	1130		Anal Geometry & Calculus.....4	4	4
MATH		1610	Core Social Science Group 1 & 2.....3	3	3
				16	17
SO					
ENGL	2200	2210	Great Books I & II.....3	3	3
			Science Elective with Lab.....4	--	--
			Science Elective.....3	3	3
			Math Elective.....3	--	--
			Core Philosophy.....3	--	--
HDFS		2010	Lifespan Human Development.....3	3	3

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		Elective	3	3
		Core Fine Arts	16	15
JR				
CTRD	3700	Fundamentals of Lang & Literacy I	3	3
CTEC	3020	Primary Math and Science	4	3
ARTS	3100	Elementary Art	4	4
CTMU	3400	Music and the Arts	4	4
CTEC	4911	Preschool Practicum or	3	3
HDFS	3910	Practicum	3	3
HLHP	2250	Motor Development	2	2
CTEC	3030	Intuitive Thought & Symbol Funct	3	3
EDUC	3000	Div of Learners & Settings +	6	6
CTEC	3200	Work Theory Const. Ed	16	15
SR				
CTRD	3710	Fund. of Lang & Literacy II +*	3	3
CTEC	4200	Const Teach: Strat & Tech * +	6	6
FOUN	3100	Cd Dv Lrn Mot & Assessment +*	3	3
CTEC	4912	Primary Practicum+*	3	3
CTEC	4210	Const Teach: Growing Prof ++*	3	3
CTEC	4920	Professional Internship ++*	15	13

TOTAL HOURS — 120

Students may apply for internship one year prior to internship.

* Pre-requisite admission to Teacher Education.

+ Pre-requisite to internship.

++ Co-requisite with internship.

Curriculum in Elementary Education

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II	3	3
			Core History	3	3
			Core Biology Sequence	4	4
MATH	1130		Pre-Calculus with Trigonometry	3	3
			Core Social Science Group 1 & 2	3	3
MATH	2850		Math Elem. Tch. I	16	16
SO					
			Core Fine Arts	3	3
ENGL	2200	2210	Great Books I & II	3	3
PHYS	1000		Foundations of Physics	4	4
			Earth Science Elective	3	3
MATH	2860		Math Elem. Tch II	3	3
			Core Philosophy	2	2
			Technology for Teachers/Comp. Exam	2	2
			Elective	2	2
			Approved HDFS or PSYC	15	16
JR					
CTEE	4950	4950	Prof Dev Seminar * +	1	1
CTRD	3700	3710	Fundamentals Lang & Lit Inst I & II * +	3	3
EDUC	3000		Div of Lrns & Settings	6	6
FOUN	3010	3100	Cd Dv Lrn Mot & Asmt * +	3	3
ARTS	3010		Elementary School Art	4	4
CTMU	3040		Music & Related Arts	3	3
EDMD	6100		Children's Literature	3	3
CTEC	3020		Primary Math & Science * +	16	17
SR					
CTEE	4920	4920	Internship I & II * ++	5	5
CTEE	4950	4950	Prof Dev Seminar * ++	1	1
CTEE	4010		Curriculum Social Science * +	3	3
CTEE	4030		Curriculum Science * +	3	3
CTEE	4020		Curriculum Language Arts * +	3	3
CTEE	4040		Curriculum Mathematics * +	3	3
HLHP	4200		PE in Elementary Schools	15	12

TOTAL HOURS — 123

Students may apply for internship one year prior to internship.

* Pre-requisite admission to Teacher Education.

+ Pre-requisite to internship.

++ Co-requisite with internship.

Curriculum in English Language Arts Education

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II	3	3
			Core History	3	3
			Core Science	4	4
			Core Math	3	3
COMM	1000		Public Speaking	3	3

		Core Philosophy	3	3	
		Introduction to Theatre	16	16	
SO					
ENGL	2200	2210	Great Books I & II	3	3
THEA	2000		Introduction to Acting	3	3
JRNL	1101	2210	Newsriting	3	3
			Newspaper Fundamentals	3	3
			PSYC 1000, 1007 or SOCY 1000, 1007	3	3
			Core Social Science Group 2	3	3
COMM	2410		Small Group Communication	3	3
			English Elective	15	15
			Elective	3	3
JR					
EDUC	3000		Diversity of Lrns & Settings +	6	6
FOUN	3110		Ad Dev Lrn Mot & Asmt I * +	3	3
CTRD	6710		Lit & Inquiry in the Content Areas * +	3	3
CTSE	4150		Curriculum & Teaching I * +	4	4
CTSE	6010		Language Study for Teachers	3	3
CTRD	6030		The Reading of Adolescents	3	3
CTSE	6020		Rhetoric & Comp for Teachers	3	3
			English Ling/Rhet Elective	3	3
			English Writing Elective	3	3
			English Elective	18	16
SR					
FOUN	3120		Ad Dev Lrn Mot & Asmt II * +	3	3
CTSE	4920		Internship * ++	9	9
CTSE	4160		Curriculum & Teaching II * +	4	4
CTSE	4200		Manag Mid & HS Class * ++	3	3
			English Elective	6	6
JRNL	2910		Practicum in Journalism	14	12

TOTAL HOURS — 122

Students may apply for internship one year prior to internship.

* Pre-requisite admission to Teacher Education.

+ Pre-requisite to internship.

++ Co-requisite with internship.

English Elective, English Writing Elective, English Ling/Rhet Elective: see adviser for approved course listing.

Curriculum in Foreign Language Education - French

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II	3	3
			Core History	3	3
			Core Science	4	4
			Core Math	3	3
			Core Philosophy	3	3
FLFR	2010	2020	Inter. French I & II	17	17
SO					
ENGL	2200	2210	Great Books I & II	3	3
			Social Science Group 1 & 2	3	3
			Core Fine Arts	3	3
COMM	3010	1000	Public Speaking	3	3
FLFR	3010		Phonetics & Diction	3	3
FLFR	3030		French Civilization	3	3
FLFR	3040		French Conversation	3	3
			French Composition	15	15
JR					
EDUC	3000		Diversity of Lrns & Settings +	6	6
FOUN	3110		Ad Dev Lrn Mot & Asmt I * +	3	3
FLFR	3100		Introduction to French Lit	3	3
CTSE	4070		Curriculum & Teaching I * +	4	4
			FLFR Elective	3	3
			Elective	15	16
SR					
FOUN	3120		Ad Dev Lrn Mot & Asmt II * +	3	3
CTSE	4920		Internship *	9	9
CTSE	4080		Curriculum & Teaching II * +	4	4
CTSE	4200		Manag Mid & HS Class * ++	3	3
			FLFR Elective	6	6

TOTAL HOURS — 120

FLFR Elective: see adviser for approved course listing.

Students may apply for internship one year prior to internship.

* Pre-requisite admission to Teacher Education.

+ Pre-requisite to internship.

++ Co-requisite with internship.

Curriculum in Foreign Language Education - German

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II	3	3
			Core History	3	3
			Core Science	4	4
			Core Math	3	--
			Core Philosophy	--	3
FLGR	2010	2020	Inter. German I & II	4	4
				17	17
SO					
ENGL	2200	2210	Great Books I & II	3	3
			Social Science Group 1 & 2	3	3
			Core Fine Arts	3	--
COMM		1000	Public Speaking	--	3
FLGR	3010	3020	German Comp & Con. I & II	3	3
FLGR	3110	3120	German Culture & Civ. I & II	3	3
				15	15
JR					
EDUC	3000		Diversity of Lrns & Settings +	6	--
FOUN		3110	Ad Dev Lrn Mot & Asmt I * +	--	3
FLGR	3100		Introduction to German Lit	3	--
CTSE		4070	Curriculum & Teaching I * +	--	4
			FLGR Elective	3	9
			Elective	3	--
				15	16
SR					
FOUN	3120		Ad Dev Lrn Mot & Asmt II * +	3	--
CTSE		4920	Internship *	--	9
CTSE	4080		Curriculum & Teaching II * +	4	--
CTSE		4200	Manag Mid & HS Class * ++	--	3
			FLGR Elective	6	--
				13	12

TOTAL HOURS — 120

FLGR Elective: see adviser for approved course listing.
 Students may apply for internship one year prior to internship.
 * Pre-requisite admission to Teacher Education.
 + Pre-requisite to internship.
 ++ Co-requisite with internship.

Curriculum in Foreign Language Education - Spanish

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II	3	3
			Core History	3	3
			Core Science	4	4
			Core Math	3	--
			Core Philosophy	--	3
FLSP	2010	2020	Inter. Spanish I & II	4	4
				17	17
SO					
ENGL	2200	2210	Great Books I & II	3	3
			Social Science Group 1 & 2	3	3
			Core Fine Arts	3	--
COMM		1000	Public Speaking	--	3
FLSP	3010		Spanish Phonetics	3	--
FLSP		3020	Spanish Syntax	--	3
FLSP	3030		Spanish Conversation	3	--
FLSP		3040	Spanish Composition	--	3
				15	15
JR					
EDUC	3000		Diversity of Lrns & Settings +	6	--
FOUN		3110	Ad Dev Lrn Mot & Asmt I * +	--	3
FLSP	3050		Introduction to Spanish Lit	3	--
CTSE		4070	Curriculum & Teaching I * +	--	4
			FLSP Elective	3	3
FLSP			Spanish Civ. I or II	--	3
			Elective	3	--
FLSP			Spanish/American Civ. I or II	--	3
				15	16
SR					
FOUN	3120		Ad Dev Lrn Mot & Asmt II * +	3	--
CTSE		4920	Internship *	--	9
CTSE	4080		Curriculum & Teaching II * +	4	--
CTSE		4200	Manag Mid & HS Class * ++	--	3
			FLSP Elective	6	--
				13	12

TOTAL HOURS — 120

FLSP Elective: see adviser for approved course listing.
 Students may apply for internship one year prior to internship.
 * Pre-requisite admission to Teacher Education.
 + Pre-requisite to internship.
 ++ Co-requisite with internship.

Curriculum in Comprehensive Science

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II	3	3
HIST	1210	1220	Technology & Civilization I & II	3	3
			Core Fine Arts	3	--
MATH	1130		Pre-Calculus with Trigonometry	3	--
BIOL	1020		Principles of Biology	4	--
BIOL		1030	Organismal Biology	--	4
			Core Philosophy	--	3
				16	13
SO					
ENGL	2200	2210	Great Books I & II	3	3
CHEM	1030	1040	Fundamental of Chemistry I & II	3	--
CHEM	1031	1041	Fundamental of Chemistry I & II Lab	1	--
COMM		1000	Public Speaking	--	3
			Core Social Science Group 1 & 2	3	3
PHYS	1500	1510	Physics I & II	4	4
				14	17
JR					
EDUC	3000		Diversity of Learners & Settings +	6	--
FOUN		3110	Adolescent Dev Lrn Mot & Ast I * +	--	3
			Elective	3	--
CTSE		4090	C & T I: Science * +	--	4
GEOL	1100		Physical Geology	4	--
			Science Elective	--	4
CHEM	2080		Survey of Organic Chemistry	4	--
MATL		5010	Engineering Physics	--	3
			Biological Science Elective	--	4
				16	18
SR					
CTSE	4100		C & T II: Science * +	4	--
CTSE		4920	Internship *	--	9
FOUN	3120		Ados Dev Lrn Mot & Asmt. II * +	3	--
CTSE		4200	Mgt. Mid. & HS Class * ++	--	3
			Science Elective	4	--
PHYS	1150		Astronomy	4	--
				15	12

TOTAL HOURS — 122

Biological Science Elective, Physics Elective, Science Elective: see adviser for approved listing.

Students may apply for internship one year prior to internship.
 * Pre-requisite admission to Teacher Education.
 + Pre-requisite to internship.
 ++ Co-requisite with internship.

Curriculum in Science Education - Secondary Biology

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II	3	3
HIST	1210	1220	Technology & Civilization I & II	3	3
			Core Fine Arts	3	--
MATH	1130		Pre-Calculus with Trigonometry	3	--
GEOL		1100	Physical Geology	--	4
			Core Philosophy	--	3
BIOL	1020		Principles of Biology	4	--
BIOL		1030	Organismal Biology	--	4
				16	17
SO					
ENGL	2200	2210	Great Books I & II	3	3
CHEM	1010	1020	Chemistry I & II	3	3
CHEM	1011	1021	Chemistry I & II Lab	1	1
COMM		1000	Public Speaking +	--	3
			Social Science Core	3	3
BIOL	2500		Human Anatomy & Physiology	4	--
BIOL		3060	Principles of Ecology	--	4
				14	17
JR					
EDUC	3000		Diversity of Learners & Settings +	6	--
FOUN		3110	Adolescent Dev Lrn Mot & Ast I * +	--	3
PHYS	1000		Fundamentals of Physics	4	--
CTSE		4090	C & T I: Science * +	--	4
			Elective	3	--
BCHE		6130	Plant Physiology	--	3
BCHE		6131	Plant Physiology Lab	--	1
BIOL	3000		Genetics	4	--
			Science Elective	--	4
				17	15
SR					
CTSE	4100		C & T II: Science * +	4	--
CTSE		4920	Internship *	--	9
FOUN	3120		Ados Dev Lrn Mot & Asmt II * +	3	--
CTSE		4200	Mgt. Mid. & HS Class. * ++	--	3
			Biology Elective	8	--
				15	12

TOTAL HOURS — 123

Students may apply for internship one year prior to internship.

* Pre-requisite admission to Teacher Education.

+ Pre-requisite to internship.

++ Co-requisite with internship.

Science Elective, Biology Elective: see adviser for approved listing.

Curriculum in Science Education - Secondary Chemistry

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II	3	3
HIST	1210	1220	Technology & Civilization I & II	3	3
			Core Fine Arts	3	--
MATH	1130		Pre-Calculus with Trigonometry	3	--
MATH		1610	Calculus I	--	4
			Core Philosophy	--	3
CHEM	1030	1040	Fundamentals of Chemistry I & II	3	3
CHEM	1031	1041	Fundamentals of Chemistry I & II Lab ...	1	1
				16	17
SO					
ENGL	2200	2210	Great Books I & II	3	3
CHEM	2070	2080	Organic Chemistry I & II	3	3
CHEM	2071	2081	Organic Chemistry I & II Lab	1	1
COMM		1000	Public Speaking	--	3
			Core Social Science Group 1 & 2	3	3
PHYS	1500	1510	Physics I & II	4	4
				14	17
JR					
EDUC	3000		Diversity of Learners & Settings +	6	--
FOUN		3110	Adolescent Dev Lrn Mot & Ast I * +	--	3
			Elective	3	--
CTSE		4090	C & T I: Science * +	--	4
CHEM	3050		Analytical Chemistry	3	--
CHEM	3051		Analytical Chemistry Lab	1	--
			Biological Science Elective	--	4
			Chemistry Elective	4	4
				17	15
SR					
CTSE	4100		C & T II: Science * +	4	--
CTSE		4920	Internship *	--	9
FOUN		3120	Ados Dev Lrn Mot & Asmt II * +	3	--
CTSE		4200	Mgt. Mid. & HS Class. * ++	--	3
			Chemistry Elective	4	--
			Geology Elective	4	--
				15	12

TOTAL HOURS — 123

Students may apply for internship one year prior to internship.

* Pre-requisite admission to Teacher Education.

+ Pre-requisite to internship.

++ Co-requisite with internship.

Chemistry Elective, Geology Elective: see adviser for approved listing.

Curriculum in Science Education - Secondary Physics

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II	3	3
HIST	1210	1220	Technology & Civilization I & II	3	3
			Core Philosophy	--	3
			Core Fine Arts	--	3
MATH	1610	1620	Calculus I & II	4	4
PHYS	1607	1617	Honors Physics I & II	4	4
				17	17
SO					
ENGL	2200	2210	Great Books I & II	3	3
			Core Social Science	--	3
MATH	2630		Vector Calculus	4	--
CHEM	1030	1040	Fundamentals of Chemistry I & II	--	3
CHEM	1031	1041	Fundamentals of Chemistry I & II Lab	--	1
MATH		2690	Elementary Differential Equations	--	3
PHYS	2200		20th Century Physics	3	--
PHYS		2100	Interm Mechanics	--	3
PHYS		2300	Lab Skills	--	2
				17	15
JR					
EDUC	3000		Diversity of Learners & Settings +	6	--
FOUN		3110	Adolescent Dev Lrn Mot & Ast I * +	--	3
PHYS	3100		Intermediate E & M	3	--
CTSE		4090	C & T I: Science * +	--	4
PHYS	4100		Fnd of Quantum Mechanics	3	--
			Core Social Science	--	3
COMM	1000		Public Speaking	--	3
			Physics Elective (3000-6000 level)	6	--
				15	16
SR					
CTSE	4100		C & T II: Science * +	4	--
CTSE		4920	Internship *	--	9

FOUN	3120		Ados Dev Lrn Mot & Asmt II * +	3	--
CTSE		4200	Mgt. Mid. & HS Class. * ++	--	3
MATL	6010		Matl. Engr. Physics for Teachers	3	--
			Elective	3	--
				13	12

TOTAL HOURS — 122

Students may apply for internship one year prior to internship.

* Pre-requisite admission to Teacher Education.

+ Pre-requisite to internship.

++ Co-requisite with internship.

Biological Science Elective, Physics Elective, Geology Elective: see adviser for approved course listing.

Curriculum in Social Science General

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II	3	3
HIST	1010	1020	World History I & II	3	3
PSYC			PSYC Elective	3	--
ECON		2020	Macroeconomics	--	3
			Core Science	4	4
			Core Fine Arts	3	--
			Core Mathematics	--	3
				16	16
SO					
ENGL	2200	2210	Great Books I & II	3	3
			Social Science Option	6	6
			Elective	3	--
			Core Philosophy	--	3
			Social Science Elective	3	3
				15	15
JR					
EDUC	3000		Diversity of Learners & Settings +	6	--
FOUN		3110	Adolescent Dev Lrn Mot & Ast I * +	--	3
			Social Science Option	12	9
FOUN		3120	Adolescent Dev Lrn Mot & Ast II * +	--	3
CTSE		4210	Social Sci. Concepts & Methods * +	--	3
				18	18
SR					
CTSE	4050		C & T I: Social Science * +	4	--
CTSE		4920	Internship *	--	9
CTSE	4060		C & T II: Social Science * +	4	--
CTSE		4200	Mgt. Mid. & HS Class. * ++	--	3
			Social Science Option	6	--
				14	12

TOTAL HOURS — 124

Students may apply for internship one year prior to internship.

* Pre-requisite admission to Teacher Education.

+ Pre-requisite to internship.

++ Co-requisite with internship.

Social Science Option, Social Science Elective: see adviser for approved course listing.

Curriculum in Social Science - Geography

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II	3	3
HIST	1010	1020	World History I & II	3	3
			Core Social Science Group 1 & 2	3	3
			Core Science	4	4
			Core Fine Arts	3	--
			Core Mathematics	--	3
				16	16
SO					
ENGL	2200	2210	Great Books I & II	3	3
			Geography Option	6	6
			Elective	3	--
			Core Philosophy	--	3
			Social Science Elective	3	3
				15	15
JR					
EDUC	3000		Diversity of Learners & Settings +	6	--
FOUN		3110	Adolescent Dev Lrn Mot & Ast I * +	--	3
			Geography Option	12	9
FOUN		3120	Adolescent Dev Lrn Mot & Ast II * +	--	3
CTSE		4210	Social Sci. Concepts & Methods * +	--	3
				18	18
SR					
CTSE	4050		C & T I: Social Science * +	4	--
CTSE		4920	Internship *	--	9
CTSE	4060		C & T II: Social Science * +	4	--
CTSE		4200	Mgt. Mid. & HS Class. * ++	--	3
			Geography Option	6	--
				14	12

TOTAL HOURS — 124

Students may apply for internship one year prior to internship.

Geography Option: see adviser for approved course listing.

* Pre-requisite admission to Teacher Education.
 + Pre-requisite to internship.
 ++ Co-requisite with internship.

Curriculum in Social Science - History

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II	3	3
HIST	1010	1020	World History I & II	3	3
			Core Social Science Group 1 & 2	3	3
			Core Science	4	4
			Core Fine Arts	3	3
			Core Mathematics	3	3
				16	16
SO					
ENGL	2200	2210	Great Books I & II	3	3
			History Option	6	6
			Elective	3	3
			Core Philosophy	3	3
			Social Science Elective	3	3
				15	15
JR					
EDUC	3000		Diversity of Learners & Settings +	6	6
FOUN		3110	Adolescent Dev Lrn Mot & Ast I * +	3	3
			History Option	12	9
FOUN		3120	Adolescent Dev Lrn Mot & Ast II * +	3	3
CTSE		4210	Social Sci. Concepts & Methods * +	3	3
				18	18
SR					
CTSE	4050		C&T I: Social Science * +	4	4
CTSE		4920	Internship *	9	9
CTSE	4060		C&T II: Social Science * +	4	4
CTSE		4200	Mgt. Mid. & HS Class. * ++	3	3
			History Option	6	6
				14	12

TOTAL HOURS — 124

Students may apply for internship one year prior to internship.
 * Pre-requisite admission to Teacher Education.
 + Pre-requisite to internship.
 ++ Co-requisite with internship.
 History Option: see adviser for approved course listing.

Curriculum in Mathematics Education

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II	3	3
			Core History	3	3
			Core Fine Arts	3	3
MATH	1610	1620	An. Geometry & Calculus I & II	4	4
			Core Social Science Group 1 & 2	3	3
COMM			Public Speaking	3	3
				16	16
SO					
ENGL	2200	2210	Great Books I & II	3	3
MATH	2630		An. Geometry & Calculus III	4	4
MATH		2660	Linear Algebra	3	3
BIOL	1000	1010	Introduction Biology & Survey of Life	4	4
			Core Philosophy	3	3
MATH		2650	Differential Equations	3	3
			Elective	3	3
MATH		3100	Foundations of Math	3	3
				17	16
JR					
MATH	6310		Abstract Algebra	3	3
MATH		6390	Intermediate Geometry II	3	3
MATH	6380		Intermediate Geometry I	3	3
STAT		3710	Discrete Math +	3	3
CTSE	4030		C & T I: Mathematics * +	4	4
CTMD		4010	Teaching Math: Middle School * +	4	4
EDUC	3000		Diversity of Learners & Settings +	6	6
FOUN		3110	Ad Develop Lrn Mot & Assmt I * +	3	3
MATH		3010	Math History	3	3
				16	16
SR					
FOUN	3120		Ad Develop Lrn Mot & Assmt II * +	3	3
CTSE		4920	Internship *	9	9
STAT	3600		Math Stat. I	3	3
CTSE		4200	Mgt. Mid. & HS Class. * ++	3	3
			Ad Discrete Elective	3	3
CTSE	4040		C & T II: Mathematics * +	4	4
				13	12

TOTAL HOURS — 122

Students may apply for internship one year prior to internship.
 * Pre-requisite admission to Teacher Education.
 + Pre-requisite to internship.
 ++ Co-requisite with internship.

Curriculum in Music Education: Instrumental

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II	3	3
HIST	1010	1020	World History I & II	3	3
MUSI	1000	1000	Performance Attendance	0	0
MUSI	1310	1410	Music Theory I & II ***	2	2
MUSI	1320	1420	Music Skills I & II ***	1	1
			Instrumental Ensemble	1	1
MUAP	1840	1850	Performance (applied)	1	1
			Core Science	4	4
MUSI			Piano Class Elective	1	1
				16	16
SO					
ENGL	2200	2210	Great Books I & II	3	3
			Core Social Science Group 1 & 2	3	3
			Core Mathematics	3	3
			Core Fine Arts	3	3
			Core Philosophy	3	3
			Performance Attendance	0	0
MUSI	1000	1000	Guitar & String Skills ***	1	1
MUSI	1010		Music Theory III & IV **	2	2
MUSI	2310	2410	Instrumental Ensemble	1	1
MUAP	2840	2850	Performance (applied)	1	1
MUSI	2320	2420	Music Skills III & IV ***	1	1
MUSI			Functional Piano Elective	1	1
				16	17
JR					
EDUC	3000		Diversity of Learners & Settings +	6	6
FOUN		3110	Adolescent Dev Lrn Mot & Ast I * +	3	3
CTMU		6950	Secondary Music Methods * +	3	3
MUSI	1000	1000	Performance Attendance	0	0
MUSI			Instrumental Ensemble	1	1
MUSI	3510	3520	Music History	3	3
MUSI	3630	3640	Conducting I & II	2	2
MUSI			Instruments	1	2
MUAP			Performance (applied)	1	1
MUSI			Vocal Ensemble	1	1
CTMU	6490		Elementary Music Methods * +	3	3
				17	16
SR					
MUSI	1000		Performance Attendance	0	0
MUSI			Vocal Skills	1	1
CTMU		4920	Internship *	9	9
CTSE		4200	Mgt. Mid & HS Class * ++	3	3
MUAP	4870		Performance (applied)	1	1
MUAP	4000		Senior Project (recital)	0	0
MUSI	4090		Marching Band techniques	2	2
MUSI	4020		Instrumental Pedagogy	2	2
MUSI	4400		Instrumental Arranging	2	2
CTMU	4910		Practicum in Music Education * +	2	2
CTMU	4910		Practicum: Music Ed Technology * +	1	1
MUSI			Instrumental Ensemble	1	1
FOUN	3120		Adolescent Dev. * +	3	3
				14	12

TOTAL HOURS — 125

Students may apply for internship one year prior to internship.
 * Pre-requisite admission to Teacher Education.
 ** Theory and Skill courses are to be taken.
 + Pre-requisite to internship.
 ++ Co-requisite with internship.
 +++ Theory & Skill courses are to be taken together.

Curriculum in Music Education - Vocal

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II	3	3
HIST	1010	1020	World History I & II	3	3
MUSI	1000	1000	Performance Attendance	0	0
MUSI	1310	1410	Music Theory I & II ***	2	2
MUSI	1320	1420	Music Skills I & II ***	1	1
			Vocal Ensemble	1	1
MUAP			Performance (applied)	1	1
			Core Science	4	4
MUSI			Piano Class Elective	1	1
				16	16
SO					
ENGL	2200	2210	Great Books I & II	3	3
			Core Social Science Group 1 & 2	3	3
			Core Mathematics	3	3
			Core Fine Arts	3	3
			Core Philosophy	3	3
			Performance Attendance	0	0
MUSI	1000	1000	Guitar & String Skills	1	1
MUSI	1010		Music Theory III & IV ***	2	2

MUSI	2320	2420	Music Skills III & IV ***.....	1	1
MUSI			Vocal Ensemble.....	1	1
MUAP			Performance (applied).....	1	1
MUSI			Functional Piano Elective.....	1	1
				16	17
JR					
EDUC	3000		Diversity of Learners & Settings +.....	6	--
FOUN		3110	Adolescent Dev Lrn Mot & Ast I * +.....	--	3
CTMU		6950	Secondary Music Methods * +.....	--	3
MUSI	1000	1000	Performance Attendance.....	0	0
MUSI			Vocal Ensemble.....	1	1
MUSI	3510	3520	Music History.....	3	3
MUSI	3610	3620	Choral Conducting I & II.....	2	2
MUSI			Instruments.....	1	1
MUAP	3840	3850	Performance (applied).....	1	1
CTMU	6490		Elementary Music Methods * +.....	3	--
				16	14
SR					
MUSI	1000		Performance Attendance.....	0	--
MUSI			Vocal Ensemble.....	1	--
CTMU		4920	Internship *.....	--	9
CTSE		4200	Mgt. Mid. & HS Class. * ++.....	--	3
MUAP	4870		Performance (applied).....	1	--
MUAP	4000		Senior Project (recital).....	0	--
MUSI	4110		Choral Techniques.....	2	--
MUSI	4010		Vocal Pedagogy.....	2	--
MUSI	4500		Choral Arranging.....	2	--
CTMU	4910		Practicum in Music Education * +.....	2	--
CTMU	4910		Practicum: Music Ed Technology * +.....	1	--
FOUN	3120		Adolescent Dev. * +.....	3	--
MUSI	1030		Vocal Skills.....	1	--
MUSI			Instruments.....	1	--
				16	12

TOTAL HOURS — 122

Students may apply for internship one year prior to internship.
 * Pre-requisite admission to Teacher Education.
 ** Theory and Skill courses are to be taken.
 + Pre-requisite to internship.
 ++ Co-requisite with internship.
 +++ Theory & Skill courses are to be taken together.

Health and Human Performance

Curriculum in Physical Education Teacher Education

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II.....	3	3
			Core History.....	3	3
BIOL	1020		Principles of Biology.....	4	--
BIOL		1030	Organismal Biology.....	--	4
MATH		1600	Pre-Calculus with Trigonometry.....	--	3
			Core Social Science.....	3	--
PHED		1100	Wellness.....	--	2
				13	15
SO					
ENGL	2200	2210	Great Books I & II.....	3	3
			Core Fine Arts.....	3	--
			Core Philosophy.....	--	3
			Core Social Science.....	3	--
			Elective.....	--	3
BIOL	2500	2510	Human A & P I & II.....	4	4
HLHP	2250		Motor Development Sch.....	2	--
HLHP	2251		Motor Development Sch Lab.....	1	--
HLHP		2800	Introduction to HLHP.....	--	3
				16	16
JR					
EDUC	3000		Div of Lrns & Settings +.....	6	--
FOUN		3100	Child Develop. Lrng. Mot. * +.....	--	6
HLHP	3010		Ins. Tch. Hum. Per.....	2	--
HLHP		3300	Ins. Str. Phys. Ed.....	--	3
HLHP	3020		Sci. Foun. HLHP.....	4	--
HLHP		3250	Skill Acq. Sch. Child.....	--	3
HLHP	3200		Skills/Conc. Rhythms.....	3	--
HLHP		3210	Skills/Conc. Sports.....	--	3
				15	15
SR					
HLHP	4200		Phys Ed Elem Sch * +.....	4	--
HLHP		4920	Internship *.....	--	10
HLHP	4300		Phys Ed Sec Sch * +.....	4	--
HLHP		4970	Spc Probs; Phys Ed * +.....	--	3
HLHP	4350		Tching Lftm Phy Act.....	3	--
HLHP	3260		Phys Ed Ind Dis.....	3	--
HLHP	3280		Assess Phys Ed.....	3	--
				17	13

TOTAL HOURS — 120

Students may apply for internship one year prior to internship.
 * Pre-requisite admission to Teacher Education.
 + Pre-requisite to internship.

Rehabilitation and Special Education

Curriculum in Early Childhood Special Education

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II.....	3	3
			Core History.....	3	3
			Core Social Science Group 1 & 2.....	3	3
			Core Math.....	--	3
			Elective.....	--	3
COMP			Public Speaking.....	3	--
COMM	1000		Core Fine Arts.....	3	--
				15	15
SO					
ENGL	2200	2210	Great Books I & II.....	3	3
			Core Science.....	4	4
			Core Philosophy.....	3	--
			Elective.....	5	8
				15	15
JR					
EDUC	3000		Diversity of Learners & Settings +.....	6	--
FOUN		3100	Child Dev/Learn/Motive/Assmt * +.....	--	6
RSED	3010		Introduction to Special Education.....	3	--
RSED		6110	Curr Early Childhood Sp Ed * +.....	--	3
RSED	3100		Assmt in Early Child Special Ed.....	3	--
RSED		6030	Mental Retardation.....	--	3
RSED	6150		Teaching Meth in Special Ed * +.....	3	--
CTRD		6700	Developmental Reading (K-12).....	3	3
HDFS	3010		Child Devlop & the Family.....	3	--
RSED		4910	Practium.....	--	1
				18	16
SR					
RSED	6120		Curr in Elementary Sp Ed * +.....	3	--
RSED		4920	Professional Internship *.....	--	9
RSED	6100		Infants/toddlers w/Disabilities.....	3	--
RSED		6160	Collaboration in Special Ed. * ++.....	--	3
RSED	4010		Behavior Mgt. in Special Ed.....	3	--
RSED	6040		Learning Disability/Beh. Dis.....	3	--
RSED	4910		Practium.....	2	--
RSED	6060		Severe Disabilities.....	3	--
				17	12

TOTAL HOURS — 123

Students may apply for internship one year prior to internship.
 * Pre-requisite admission to Teacher Education.
 + Pre-requisite to internship.
 ++ Co-requisite with internship.

Curriculum in Collaborative Teacher Education

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II.....	3	3
			Core History.....	3	3
			Core Social Science Group 1 & 2.....	3	3
			Core Math.....	--	3
			Elective.....	3	3
			Core Fine Arts.....	3	--
				15	15
SO					
ENGL	2200	2210	Great Books I & II.....	3	3
			Core Science.....	4	4
			Core Philosophy.....	3	--
			Elective.....	5	8
				15	15
JR					
EDUC	3000		Diversity of Learners & Settings +.....	6	--
FOUN		3100	Child Dev/Learn/Motive/Assmt * +.....	--	6
RSED	3010		Introduction to Special Education.....	3	--
RSED		6150	Teaching Methods in Special Ed. * +.....	--	3
RSED	3100		Assessment in Special Ed.....	--	3
RSED		6030	Mental Retardation.....	--	3
RSED	6040		Learning Disability.....	3	--
RSED		4910	Practium.....	3	1
RSED	6050		Behavior Disorder.....	3	--
CTRD	6700		Development Reading (K-12).....	3	--
				18	16
SR					
RSED	6120		Curr. in Elementary Sp. Ed. * +.....	3	--
RSED		4920	Professional Internship *.....	--	9
RSED	6130		Curr. in Secondary Special Ed. * +.....	3	--
RSED		6160	Collaboration in Special Ed * +.....	--	3

RSED	4010	Behavior Mgt. in Special Ed.	3	--
RSED	6170	Transition From School to Comm.	--	3
RSED	6060	Severe Disabilities	3	--
RSED	4910	Practium.....	2	--
			14	15

TOTAL HOURS — 123

- * Pre-requisite admission to Teacher Education.
- + Pre-requisite to internship.
- ++ Co-requisite with internship.
- Students must apply for internship one year prior before internship.

Field Experiences

The Laboratory Experiences Program provides sequential learning opportunities in public school and community settings for students throughout the teacher preparation program. Laboratory experiences are provided primarily through the following programs: (1) Field Experience Program, (2) Extended Laboratory Experiences, and (3) Professional Internship.

The pre-teaching Field Experience Program provides an initial experience for all students as a pre-requisite for admission to the Professional Teacher Education Program. This experience involves the students in planning and evaluating learning experiences, counseling, participating in pre-school conferences and faculty study, school and community meetings and involvement in actual teaching situations.

The Extended Laboratory Experiences Program is conducted concurrently with enrollment in professional education courses which provide experiences in the schools and communities.

The Professional Internship is a full-time assignment in an off-campus school and community. Experiences include personal and professional contacts with phases of community life and the application of concepts, skills and knowledge the students have acquired in classroom situations.

The students must register for Professional Internship and pay fees the semester they intern. The program is divided into orientation, off-campus experience and evaluation. Students must be admitted to the Teacher Education Program prior to the Professional Internship, must have completed appropriate courses in their areas of specialization, and must meet minimum GPA requirements.

Other laboratory experiences for students are provided within the framework of courses in the Teacher Education Program.

Dual Objectives Program

Students in other schools and colleges of the university who wish to complete requirements for graduation in an academic department and also to complete the degree requirements of the Teacher Education Program may pursue the dual objectives program. Students should inquire in their dean's office to determine if their college/school participates in the dual objectives program.

Students electing to pursue the dual objectives program will have an adviser in the academic department in which they are enrolled and an adviser in the College of Education. Advising students concerning the curriculum of the academic department, including the major and other requirements, will be the responsibility of the adviser in that department. The responsibility for advising students on matters concerning the Teacher Education Program will be that of the adviser in the College of Education. The semester course schedule of the students will be approved by both advisers. Information describing the dual objectives program is available in the Teacher Education Services Office of the College of Education in Haley Center and in the dean's office where the students are enrolled.

Students enrolled in the College of Education who desire to complete certification requirements in more than one teaching field will complete the curriculum in each field: general studies, teaching specialization and professional teacher education (including the internship).

Applications and specific information about the criteria for selection and admission to Teacher Education are available in the Teacher Education Services Office in Haley Center 3464.

Programs, Non-Teaching

The following is a list of non-teaching curricula available. Programs appear by department.

Educational Foundations, Leadership and Technology

Adult Education. A program to prepare students concerned with the learning of adults. This program, at the undergraduate and gradu-

ate levels, prepares students for positions in adult continuing education programs, corporate training departments, private training enterprises and education programs within community colleges and universities. This program does not require admission to Teacher Education.

Curriculum in Adult Education

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II	3	3
			Core History	3	3
			Core Social Science Group 1	3	--
ECON		2020	Microeconomics.....	--	3
			Core Fine Arts.....	3	--
			Core Math.....	--	3
CTCT	1200		Keyboarding/Introduction PC	3	--
			Elective or Minor.....	--	3
				15	15
SO					
ENGL	2200	2210	Great Books I & II	3	3
			Core Science	4	4
			Core Philosophy	3	--
			Elective or Minor	2	2
			Specialization Requirements	3	6
				15	15
JR					
ADED	4600		Nature of Adult Education	3	--
ADED		4620	Community Conc, Prog & Res	--	3
ADED		4900	Directed Study	--	3
			Elective or Minor	3	3
			Specialization Requirements	9	6
				15	15
SR					
ADED	4050		Methods of Teaching in AE.....	3	--
ADED		4970	Special Topics in AE	--	3
ADED	4660		Teaching in Non-School Setting.....	3	--
ADED		6640	Teaching the Disadv Adult	--	3
ADED		4920	Professional Internship	--	9
			Elective or Minor	3	--
			Specialization Requirements	6	--
				15	15

TOTAL HOURS — 120

Specialization Requirements: see adviser for approved course listing.

Health and Human Performance

Exercise Science. A non-teaching program to prepare students for graduate study in the exercise science sub-disciplines (biomechanics, exercise physiology, and motor behavior) and entry into professional programs such as medicine, physical therapy, and occupational therapy. This program does not require admission to Teacher Education.

Curriculum in Exercise Science

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II	3	3
			Core History	3	3
BIOL	1020		Principles of Biology	4	--
BIOL		1030	Organismal Biology	--	4
MATH		1600	Pre-Calculus with Trigonometry	--	3
			Core Social Science	3	--
PHED			Elective	--	2
PHED	1100		Wellness	2	--
				15	15
SO					
ENGL	2200	2210	Great Books I & II	3	3
			Core Fine Arts.....	3	--
			Core Philosophy	--	3
			Core Social Science	3	--
			Elective	--	3
BIOL	2500	2510	Human A & P I & II.....	4	4
MATH	1610		Calculus I	4	--
				17	13
JR					
HLHP	3020		Sci Foun HLHP.....	4	--
HLHP		3620	Biomech Analysis.....	--	4
HLHP	3010		Ins Tch Hum Per.....	2	--
HLHP		3650	Motor Lrng. & Perf.....	--	4
PHYS	1500		General Physics I.....	4	--
HLHP		3680	Physiology Ex.....	--	4
CHEM	1030		Fundamental of Chemistry I	3	--
CHEM	1031		Fundamental of Chemistry I Lab	1	--
			Elective	--	4
				14	16
SR					
HLHP	4760		Introduction to Exercise Sci. Res.	3	--
HLHP		4780	Exercise Science Research.....	--	3

Exercise Science Elective.....	3	3
PHED Elective	2	--
Exercise Science Elective	--	3
Elective	7	6
TOTAL HOURS — 120	15	15

Health Promotion. A non-teaching program to prepare students as competent allied health professionals in commercial fitness, corporate fitness, wellness, and medical (cardiac, pulmonary, physical rehabilitation, etc.) settings. This program does not require admission to Teacher Education. However, an internship (HLHP 4920) is an integral part of the professional preparation.

Curriculum in Health Promotion

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II	3	3
			Core History	3	3
BIOL	1020		Principles of Biology	4	--
BIOL		1030	Organismal Biology	--	4
MATH		1600	Pre-Calculus with Trigonometry	--	3
ECON	2020		Microeconomics	3	--
PHED			Elective	--	2
PHED	1100		Wellness	2	--
				15	15
SO					
ENGL	2200	2210	Great Books I & II	3	3
			Core Fine Arts	3	--
			Core Philosophy	--	3
			Core Social Science	3	--
ACCT		2110	Accounting	--	3
BIOL	2500	2510	Human A & P I & II	4	4
ECON	2030		Macroeconomics	3	--
PHED			Elective	--	2
				16	15
JR					
HLHP	3020		Sci Foun HLHP	4	--
HLHP			Exercise Science Elective	--	3
HLHP	3010		Ins. Tch. Hum. Per.	2	--
HLHP		4500	Ex. Tech. I	--	4
HLHP	3400		Health Promotion Workplace	3	--
HLHP		3680	Physiology Ex	--	4
HLHP			Elective	3	2
FINC	3610		Principles of Finance	3	--
MNGT		3100	Principles of Mangement	--	3
				15	16
SR					
HLHP	4450		Phys Act & Pub Health	3	--
HLHP		4920	Internship	--	12
HLHP	4550		Ex Tech II	4	--
HLHP	6400		Ex Rx Spec Pop	3	--
MKTG	3310		Principles of Marketing	3	--
			Elective	3	--
				16	12
TOTAL HOURS — 120					

Rehabilitation and Special Education

Rehabilitation Services Education. A non-teaching program to prepare students to serve with adults with disabilities through a number of career pursuits, including vocational evaluators and adjustment specialists, case managers and job coaches. Graduates can use this major for entry into rehabilitation graduate programs, such as counselor training, physical therapy, occupational therapy and related fields.

Curriculum in Rehabilitation Services

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II	3	3
			Core History	3	3
			Core Fine Arts	3	--
			Core Math	--	3
COMM		1000	Public Speaking	--	3
			Core Social Science Group 1 & 2	3	3
			Elective	3	--
				15	15
SO					
ENGL	2200	2210	Great Books I & II	3	3
			Core Science	4	4
PHIL	1030		Ethics in Health Sciences	3	--
BIOL	2500	2510	Human A & P I & II	4	4
			Elective	3	--
PSYC		2130	Quant Analysis in Psychology	--	3

PSYC	3570	Theories of Personality	--	3
			17	17
JR				
		Elective	3	--
RSED	3120	Assessment in Rehabilitation	--	3
RSED	3020	Introduction to Rehabilitation	3	--
RSED	4100	Professional Comm in Rehab	--	3
RSED	4120	Independent Living	3	--
RSED	4110	Supported Employment	--	3
RSED	4910	Practicum *	1--2	1--2
RSED	6010	Medical Aspects	3	--
RSED	6210	Occupational Information	--	3
RSED	6200	Voc Eval in Rehabilitation	3	--
RSED	6230	Rehabilitation Technology	--	3
			16-17	16-17
SR				
RSED	4130	Ethical Practices	3	--
RSED	4920	Internship	--	12
RSED	6020	Psychosocial Aspects	3	3
RSED	4910	Practicum *	1--2	1--2
RSED	6170	Transition from School to Comm	3	--
RSED	6220	Placement Ser. in Rehab	3	--
			13--14	13--14
TOTAL HOURS — 122				

* Students are required to complete four hours of practica, which may be taken over 2-4 semesters.

Graduate Programs

Graduate programs are offered through the Graduate School in administration and supervision, counselor education, early childhood education, elementary education, library media, music education, physical education, rehabilitation services, secondary education, special education, and vocation and adult education. Fifth and sixth-year programs of study in the above areas lead to the degrees of Master of Science, Master of Education, and Specialist in Education. Non-degree graduate study is also available through the diploma program leading to sixth-year certification. Information about the Fifth-Year Program offering initial teacher certification at the master's level is available from the departmental office where the program is offered as well as in the Graduate School section in this *Bulletin*.

Doctoral degrees are offered in educational leadership, counselor education, secondary education, rehabilitation services, special education and vocational and adult education. Specializations in secondary education include the following sub-specializations: a) English education, b) mathematics education, c) science education, and d) social science education. See the Graduate School section in this *Bulletin* for program options for Doctor of Education and Doctor of Philosophy degrees.

Related Programs and Services

Teacher Certification Services

Programs in the College of Education are approved by the National Council for Accreditation of Teacher Education (NCATE), the National Association of State Directors of Teacher Education and Certification (NASDTEC), the Interstate Reciprocity Compact (IRC) and the Alabama State Board of Education for certifying superintendents, supervisors, principals, counselors, elementary and secondary teachers and educational media specialists. Upon satisfactory completion of a prescribed course of study and upon recommendation of the dean of the College of Education, a professional certificate will be issued by the State Department of Education.

Assurance of Competence

The College of Education at Auburn University will guarantee the success of graduates who receive their initial professional certification through the College and who are employed within their area(s) of specialization. The College will provide remediation at no cost to an individual who was recommended for certification by the College of Education and whose job performance within two years after program completion is deemed unsatisfactory by a local education agency based on performance evaluations established by the State Board of Education.

Vocational Rehabilitation Service

The Alabama Department of Rehabilitation Services in cooperation with Auburn University maintains the local Rehabilitation Service which provides vocational guidance, counseling, training and place-

ment services to disabled citizens. The Rehabilitation Service also makes available to disabled citizens such services as: surgical and/or medical care, hospitalization, therapeutic treatment, and artificial appliances, when these services are essential to training and/or employment and the individual is not financially able to secure them.

Learning Resources Center

The Learning Resources Center (LRC), located in 3410 Haley Center, is a service component for the College of Education and the College of Liberal Arts. The LRC provides instructional technology

services which include videotapes, computer software, audio recordings, transparencies, kits, and books and periodicals for the education profession. Two computer classrooms, a Micro-Center, and the college computer network are managed by the LRC. LRC personnel assist faculty and students with the production, selection, and utilization of newer instructional and informational technologies. Audio-visual equipment services are provided for classes taught in Haley Center. LRC Duplicating provides a quick copy center for students, faculty and staff.

College of Engineering

LARRY D. BENEFIELD, *Interim Dean*
JOE M. MORGAN, *Interim Associate Dean*
VICTOR P. NELSON, *Interim Associate Dean*
JOHN M. OWENS, *Associate Dean*

ENGINEERS ARE FACED with worldwide problems and expectations awesome in responsibility, yet exciting as professional challenges. These range from the extremes of interplanetary exploration through earth orbiting systems to the problems arising from our population explosion: energy, better productivity, housing, transportation and environmental issues.

As a renewed appreciation develops for the contributions of science and technology, engineering leaders are calling for engineers, who are better equipped to tackle the specific, technical problems of the future. They also are calling for engineers who by breadth of education and understanding of other disciplines can convince others of the role of engineers not only in technical matters but in policy decisions to ensure the use of technology to benefit mankind.

Engineering education at Auburn also provides in a four-year curriculum both the technical knowledge and the broad general education necessary to equip engineers for their problem-solving challenges. Centered on mathematics and the physical sciences, the curricula also stress the importance of social sciences, humanities and communication skills. Auburn's engineering programs enable individuals to develop their natural talents and provide knowledge, skills and understanding that will help them to find their places in society as well as in their vocations.

Admission

Freshmen eligibility is determined by the Admissions Office. However, since the requirements for engineering education necessitate high school preparatory work of high intellectual quality and of considerable breadth, the following program is recommended as minimum preparation: English, four units; mathematics (including algebra, geometry, trigonometry, and analytical geometry), four units; chemistry, one unit; history, literature, social science, two or three units. Physics and foreign languages are recommended but not required.

Transfers from other institutions must apply through the Admissions Office. The exact placement of these students can be determined only upon review of their transcripts by the College of Engineering. See "Admission of Transfer Students" in the General Information section for complete requirements.

The College allows credit for courses completed with satisfactory grades (C or better) provided the courses correspond in time and content to courses offered at Auburn. Courses that are taught at the 3000-level or higher at Auburn are generally not transferable from junior colleges.

Many courses required by the College of Engineering are highly specialized in their content and potential transfer students need to select courses with care. Therefore, to ensure maximum transferability of credits, students are encouraged to contact the College as soon as possible about acceptable credits.

Transfers from On-Campus must be approved by the College of Engineering and the admissions committee of the chosen curriculum, and meet the same academic requirements as off-campus transfer students. **The criteria include a minimum overall Auburn GPA of 2.2 and the completion of the first mathematics course listed in the chosen curriculum with a grade of C or better.**

Programs

Pre-Engineering. The Pre-Engineering Program consists of a freshman program of studies to prepare students for curricula in the College of Engineering. It also provides academic and career counseling to assist students in determining the curriculum that best fulfills their personal and educational objectives.

Professional Programs. Curricula accredited by the national accrediting agency, the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET), lead to the degrees of Bachelor of Aerospace Engineering, Chemical Engineering, Civil Engineering, Electrical and Computer Engineering, Industrial and Systems Engineering, Materials Engineering, Mechanical Engineering, Textile Engineering and Biosystems Engineering. The curriculum leading to the Bachelor of Computer Science is accredited by the Computer Science Association Commission of the Computing Sciences Accreditation Board. The Department of Textile Engineering also administers curricula leading to the degrees of Bachelor of Textile Management and Technology and Bachelor of Textile Chemistry which are accredited by the Textile Institute, an international organization headquartered in Great Britain, which reviews textile academic programs worldwide.

These curricula are designed to meet the educational requirements of the engineering professions. The program in the fundamental sciences of mathematics, chemistry and physics is followed by a study of basic engineering sciences. Specialized or departmental courses are taken in the third and fourth years. Flexibility is provided in all degree programs through electives so that the individual may emphasize areas of personal interest.

The curriculum in Forest Engineering is offered jointly by the Biosystems Engineering Department and the School of Forestry. The curriculum in Environmental Science is offered jointly with the College of Agriculture and the College of Sciences and Mathematics.

Dual-Degree. The College of Engineering has agreements with several predominantly liberal arts institutions to offer an academic program where a student can earn two baccalaureate degrees. Under the terms of this program the first three years of study are devoted to earning a major in any one of the disciplines offered by the institution first entered, while completing the basic sciences and mathematics courses required for pre-engineering at Auburn.

Upon completion of three years of study in the liberal arts the student transfers to the College of Engineering. After a minimum of two years of study in an engineering curriculum, the student earns degrees from both institutions. The broad background provided by this program may enable a student to cope more effectively with many of the problems of modern-day society.

Dual degree agreements have also been made with Auburn University's Colleges of Agriculture, Liberal Arts and Sciences and Mathematics, to provide for dual-degree programs with the College of Engineering.

Graduate. The College of Engineering offers the M.S. and Ph.D. degrees in aerospace, chemical, civil, computer science and software engineering, electrical and computer, industrial and systems, materials and mechanical engineering and integrated textile and apparel science. The following professional degrees are offered as well: Master