Education department

GENERAL EDUCATION

The general education component is to be completed according to Columbia College degree requirements. (Please refer to your entrance year catalog for specific degree requirements.)

BA – English

BA – History

BA - Sociology

BS – Mathematics

BS – Environmental Science

LIBERAL ARTS AND SCIENCE DEGREE

Secondary Education majors may choose from the following recommended degree areas.

- BA American Studies
- BA Biology •
- BS Biology
- BA Business Administration
- BS Business Administration
- BA Chemistry
- Students must complete the degree requirements as set forth by Columbia College. Hours required for

completion will vary depending on area chosen. (Please refer to your entrance year catalog for specific degree requirements.)

CONTENT AREA COURSEWORK FOR MATH							
			Cr				
Grade	Course #	Course Title	Hrs				
Calculus and Geometry (8 hrs)							
	MATH 201	Calculus and Analytical Geometry I	5				
	MATH 222	Calculus and Analytical Geometry II	5				

MATH 150	College Algebra (Algebraic Structures 3 hrs)	3
MATH 331	Foundations of Geometry (Geometry 3 hrs)	3
Choose:	CISS 176 - Introduction to Computer Science or CISS 145 - Introduction to Python Programming (Computer Science 2 hrs)	3
Electives:	Math Electives (1-4) hours from the above listed categories to reach 20-hr minimum.	1-4

Minimum ten (10) hrs from at least three of the following areas:

MATH 330	History of Mathematics (History of Mathematics)	3
MATH 102	Math for the Elementary School Teacher (Structure of the Real/Number System)	3
MATH 305	Number Theory (Number Theory 2-3 hrs)	3
MATH 300	Multivariate Calculus (Completion of Calculus Sequence 2-5 hrs)	3
Choose:	MATH 250 - Statistics I or MATH 338 - Mathematical Statistics and Probability (Probability and Statistics 2-3 hrs)	3
CISS 240	Introduction to Programming (Computer Science 2-5 hrs)	3

38 – 47 hrs

40 - 63 hrs

imum



EDUC 514	Mathematics for the Special Needs Child (remedial) is available at the graduate level for MAT Post-Baccalaureate students. (Math for Exceptional Children 2-3 hrs)	3
MATH 303	Linear Algebra (Linear Algebra)	3

PROFESSIONAL EDUCATION COURSEWORK 53 hrs Field Experience (observation Cr hrs) Course # included Grade Course Title Hrs SOCI 270 **Minority Cultures and Relations** 3 none EDUC 100 Introduction to Education (formerly EDUC 102/103) 3 15 hrs EDUC 198 Field Experience I* 1 15 hrs EDUC 200 Law, Ethics, and Education 3 none EDUC 230 Educational Psychology 3 none EDUC 298 Field Experience II* 1 15 hrs EDUC 300 **Techniques of Teaching** 3 15 hrs EDUC 390 Education & Psychology of the Exceptional Child 3 none EDUC 392 Adolescent Psychology 3 none Admission to the Teacher Certification Program (See Teacher **Certification Program Checklist**) EDUC 311 **Classroom Management Techniques** 3 15 hrs EDUC 322 Educational Measurement and Assessment 3 none EDUC 338 Teaching Reading in the Content Areas & Secondary Schools 3 15 hrs Teaching Mathematics in the Secondary School EDUC 360 3 15 hrs EDUC 375 **Advanced Content Methods** 15 hrs 3 EDUC 400 Senior Seminar 3 none Approval for Student Teaching (See Student Teaching checklist) EDUC 422 Student Teaching in the Secondary Schools 12 16 weeks **Total Credit Hours** 53 Approval for DESE Certification recommendation (See DESE Certification checklist) *If EDUC 200 and 230 were taken previously with field experience (Aug

2010 – July 2013), EDUC 198 and 298 are not required. **Evening Campus students must transfer to the Day Program in order to enroll in student teaching.

NOTE: To take any course listed with a field experience component, student must submit application forms <u>by the</u> <u>deadline (semester BEFORE desired enrollment)</u>. See Education Office for deadline information. Retention Criteria:

- Complete at least 6 hours of professional education each year
- Complete Field Experiences and receive favorable evaluations from cooperating teachers and faculty supervisors
- Maintain a cumulative GPA of 2.75 or above after acceptance to the program
- Maintain a cumulative GPA of 3.0 or above in professional education courses and content area courses

*This is not a degree checklist Rev. 08/2015

[The College reserves the right to alter at any time requirements to meet state certification regulations.]