

**BEACON PROGRAM CHECKLIST
MIDDLE SCHOOL
MATH CERTIFICATION (Grades 5-9)**



Education department

GENERAL EDUCATION

38 – 47 hrs

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.)

LIBERAL ARTS AND SCIENCE DEGREE

40 – 60 hrs

Middle Level Education majors may choose from the following recommended degree areas.

- BA – Biology
- BS – Biology
- BA – Chemistry
- BA – English
- BS – Environmental Science
- BA – History
- BS – Mathematics
- BA - Sociology

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

21 hrs (minimum)

Grade	Course #	Course Title	Cr Hrs
	MATH 102	Math for Elementary Teachers	3
	MATH 150	College Algebra	3
	Choose:	CISS 176 - Introduction to Computer Science or CISS 145 - Introduction to Python Programming	3
	MATH 250	Statistics I	3
	MATH 155	Algebraic Reasoning for Elementary and Middle School Teachers	3
	MATH 165	Geometric Reasoning for Elementary and Middle School Teachers	3
	Electives:	Math electives:(MATH 170 or higher)	3

PROFESSIONAL EDUCATION COURSEWORK

66 hrs

Grade	Course #	Course Title	Cr Hrs	Field Experience (observation hrs) included
	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 270	Literature for Children and Adolescents	3	none
	EDUC 298	Field Experience II*	1	15 hrs

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

	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 326	Middle School Methods	4	none
	EDUC 331	Teaching of Reading	3	15 hrs
	EDUC 337	Teaching Language Arts in Middle and Elementary Schools	3	none
	EDUC 338	Teaching Reading in the Content Areas & Secondary Schools	3	15 hrs
	EDUC 359	Teaching Mathematics in the Middle School	3	15 hrs
	EDUC 375	Advanced Content Methods	3	15 hrs
	EDUC 400	Senior Seminar	3	none
Approval for Student Teaching (See Student Teaching checklist)				
	EDUC 424	Student Teaching in the Middle Level Schools**	12	16 weeks
		Total Credit Hours	66	
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 by the deadline (semester BEFORE desired enrollment). 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

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