

**DAYSTAR 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 – Art
- BS – Art
- 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**

**73 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

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	EDUC 300	Techniques of Teaching	3	15 hrs
<b>Admission to the Teacher Certification Program (See Teacher Certification Program Checklist)</b>				
	EDUC 326	Middle School Methods	4	none
	EDUC 331	Teaching of Reading	3	15 hrs
	EDUC 338	Teaching Reading in the Content Areas & Secondary Schools	3	15 hrs
	EDUC 360	Teaching Mathematics in Middle and Secondary Schools	3	15 hrs
	EDUC 398	DAYSTAR Field Experience III	1	35 hrs
	EDUC 525	Educating Exceptional Individuals	3	none
	EDUC 537	Teaching Language Arts in Middle and Elementary Schools	3	none
	EDUC 550	Human Development	3	none
	EDUC 563	Management of the Classroom Environment	3	15 hrs
	EDUC 580	Methods of Effective Academic Evaluation	3	none
	EDUC 400	Senior Seminar	3	none
<b>Approval for Student Teaching (See Student Teaching checklist)</b>				
	EDUC 698	Graduate Student Teaching	9	16 weeks
		Total Credit Hours (undergraduate)	37	
<b>Approval for DESE Certification recommendation (See DESE Certification checklist)</b>				
<b>Continue with Remaining MAT Degree coursework; Submit Declaration of Candidacy for Degree before last semester</b>				
	EDUC 500	Research Design	3	none
	EDUC 504	Curriculum Design and Evaluation	3	none
	EDUC 508	Integrative Project	3	none
	EDUC 582	Evaluation of Teaching Effectiveness	3	none
		Total hours toward MAT:	36	

**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.**

**THREE YEAR BACCALAUREATE PROGRAM**

**Total 126 – 145 hrs**

**FOURTH YEAR MASTER OF ARTS IN TEACHING**

**36 hrs**

One academic year and 2 summer sessions; Graduate degree compiled of graduate-level coursework taken toward certification requirements (see checklist above) as well as hours required for MAT only (see list below).

**OTHER REQUIREMENTS**

- Admission to the Teacher Education Program; entrance must be gained prior to MAT
- Successful completion/passing of appropriate Praxis II exam
- Successful completion of program certification portfolio (EDUC 400) and exit interview

**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 an undergraduate degree checklist

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**THE DAYSTAR PROGRAM**

**Four Year Certification and Master's Degree Sequence: Middle Level Certification**

<b>Complete High School</b>	<u>Hours</u>
<b>Summer One</b> [EDUC 100 (3 hrs); EDUC 200 (3 hrs), SOCI 270 (3 hrs)]	9 hrs
<b>Year One</b> [EDUC 198 (1 hr); hours toward certification and major]	30-36 hrs
<b>Summer Two</b> [EDUC 230 (3 hrs); EDUC 300 (3 hrs)]	6 hrs
<b>Year Two</b> [EDUC 298 (1 hr); EDUC 326 (3 hrs); hours toward certification and major]	30-36 hrs
<b>Summer Three</b> [EDUC 331 (3 hrs); EDUC 338 (3 hrs)]	6 hrs
<b>Year Three</b> [EDUC 360 (3 hrs); EDUC 398 (1 hr); hours toward certification and major]	30-36 hrs
<b>Bachelor's Degree Awarded (Approx. 138 hrs)</b>	



**Must be admitted to the MAT-Post Baccalaureate Program to be eligible for Summer Four course enrollment.**

<b>Summer Four</b> [EDUC 500 (3 hrs); EDUC 525 (3 hrs); EDUC 563 (3 hrs)]	9 hrs
<b>Year Four</b> [1 <sup>st</sup> 8 wk Session EDUC 521 (3 hrs); EDUC 400 (3 hrs)] [2 <sup>nd</sup> 8 wk Session EDUC 550 (3 hrs); EDUC 580 (3 hrs)] [3 <sup>rd</sup> 8 wk Sessions EDUC 698 (9 hrs)(this is a 16-week course)] [4 <sup>th</sup> 8wk Session – continuation of student teaching]	18 hrs (graduate hours)
Eligible for DESE Certification	
<b>Summer Five</b> [EDUC 504 (3 hrs); EDUC 508 (3 hrs); EDUC 582 (3 hrs)]	9 hrs
<b>MAT Awarded (36 hrs)</b>	<b>Program Completed</b>

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