

**DAYSTAR PROGRAM CHECKLIST
SECONDARY
GENERAL SCIENCE CERTIFICATION (Grades 9-12)**



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 – 63 hrs

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

- BA – American Studies
- BA – Art
- BS – Art
- BA – Biology
- BS – Biology
- BA – Business Administration
- BS – Business Administration
- 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 GENERAL SCIENCE

32 hrs minimum

Grade	Course #	Course Title	Cr Hrs
	HIST 303	History and Philosophy of Modern Science (<i>History/Philosophy of Science and Technology</i>)	3
	Choose:	CHEM 109 - Chemistry for Biological and Health-Related Sciences or CHEM 110 - Chemistry I (<i>Chemistry Lecture and Lab</i>)	3
	CHEM 111L	Introductory Chemistry Laboratory	2
	BIOL 110	Principles of Biology (<i>Biology Lecture and Lab</i>)	3
	BIOL 110L	Principles of Biology Laboratory	2
	PHYS 111	College Physics I (<i>Physics Lecture and Lab</i>)	3
	PHYS 111L	Physics I Laboratory	2
	GEOL 110	Introduction to Physical Geology (<i>Earth Science</i>)	3
	ASTR 108	Introduction to Astronomy (<i>Astronomy</i>)	3
	ENVS 115	Introduction to Environmental Science (<i>Environmental Science</i>)	3
	Electives:	Electives (6-9 hrs) from any of the above listed categories to meet 32-hour minimum. Recommended: ENVS/EDUC 372 - Environmental Education, ENVS 115L - Introduction to Environmental Science Laboratory	6-9

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

PROFESSIONAL EDUCATION COURSEWORK**63 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 298	Field Experience II*	1	15 hrs
	EDUC 300	Techniques of Teaching	3	15 hrs

Admission to the Teacher Certification Program (See Teacher Certification Program checklist)

	EDUC 338	Teaching Reading in the Content Areas & Secondary Schools	3	15 hrs
	EDUC 365	Teaching Middle and Secondary Science	3	15 hrs
	EDUC 398	DAYASTAR Field Experience III	1	35 hrs
	EDUC 525	Educating Exceptional Individuals	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

Approval for Student Teaching (See Student Teaching Checklist)

	EDUC 698	Graduate Student Teaching	9	16 weeks
		Total Credit Hours (undergraduate)	27	

Approval for DESE certification recommendation (See DESE Certification Checklist)

Continue with Remaining MAT Degree coursework; Submit Declaration of Candidacy for Degree before last semester

	EDUC 500	Research Design	3	none
	EDUC 504	Curriculum Design and Evaluation	3	none
	EDUC 508	Integrative Project	3	none
	Elective:	From "Curriculum & Instruction" section of MAT checklist	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**125 – 140 hrs Total****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

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