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 (History/Philosophy of Science and Technology) | 3 |
| | Choose: | CHEM 109 - Chemistry for Biological and Health-Related Sciences or CHEM 110 - Chemistry I (Chemistry Lecture and Lab) | 3 |
| | CHEM 111L | Introductory Chemistry Laboratory | 2 |
| | BIOL 110 | Principles of Biology (Biology Lecture and Lab) | 3 |
| | BIOL 110L | Principles of Biology Laboratory | 2 |
| | PHYS 111 | College Physics I (Physics Lecture and Lab) | 3 |
| | PHYS 111L | Physics I Laboratory | 2 |
| | GEOL 110 | Introduction to Physical Geology (Earth Science) | 3 |
| | ASTR 108 | Introduction to Astronomy (Astronomy) | 3 |
| | ENVS 115 | Introduction to Environmental Science (Environmental Science) | 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 |

| 63 | hrs |
|----|-----|
| | |

| PROFESSIONAL EDUCATION COURSEWORK | | 63 hrs | | | | |
|----------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------|-----|---------------------------------------------|--|--|
| | | | Cr | Field Experience (observation hrs) | | |
| Grade | Course # | Course Title | 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 | | | | | | |

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 <u>by the deadline (semester BEFORE desired enrollment)</u>. See Education Office for deadline information.

THREE YEAR BACCALAUREATE PROGRAM FOURTH YEAR MASTER OF ARTS IN TEACHING

125 – 140 hrs Total 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

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

- 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 Rev. 8/2015

THE DAYSTAR PROGRAM

Four Year Certification and Master's Degree Sequence: Secondary Certification

Complete High School Hours

Summer One

[EDUC 100 (3 hrs); EDUC 200 (3 hrs); SOCI 270 (3 hrs)] 9 hrs

Year One

[EDUC 198 (1 hr); hours toward certification and major] 30-36 hrs

Summer Two

[EDUC 230 (3 hrs); EDUC 300 (3 hrs)] 6 hrs

Year Two

[EDUC 298 (1 hr); hours toward certification and major] 30-36 hrs

Summer Three

[EDUC 338 (3 hrs); hours toward certification or major] 6 hrs

Year Three

[EDUC 365 (3 hrs); EDUC 398 (1 hr); hours toward certification or major] 30-36 hrs

Bachelor's Degree Awarded (Approx. 138 hrs)

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

Summer Four

[EDUC 500 (3 hrs); EDUC 525 (3 hrs); EDUC 563 (3 hrs)] 9 hrs

Year Four

[1st 8 wk Session EDUC "C & I" elective (3 hrs); EDUC 400 (3 hrs)]

[2nd 8 wk Session EDUC 550 (3 hrs); EDUC 580 (3 hrs)]

[3rd 8 wk Sessions EDUC 698 (9 hrs) (this is a 16-week course)]

[4th 8 wk Session – continuation of student teaching] 18 hrs (graduate hours)

Eligible for DESE Certification

Summer Five

[EDUC 504 (3 hrs); EDUC 508 (3 hrs); EDUC 582 (3 hrs) 9 hrs

MAT Awarded (36 hrs)

Daystar Program Completed

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