

The Pennsylvania State University
COLLEGE OF EDUCATION

Student: _____
PSU ID Number: _____ E-Mail _____
Adviser: _____

SECONDARY EDUCATION
Earth and Space Science Teaching Option
(See back for info on entrance, retention and exit criteria)

DR. S. MCDONALD, Contact Person
123 Credits Required
EFFECTIVE MAY 2012
<http://www.ed.psu.edu/>

I. GENERAL EDUCATION COMPONENTS
45 Cr.

(Select appropriate courses listed in the General Education Bulletin. Note that General Education courses may not be taken SA/UN.)

WRITING/SPEAKING (GWS) – 9 Cr.

• **ENGL 15 GWS or 30 GWS** _____ (3)
ENGL 202A GWS or 202B GWS _____ (3)
CAS 100A GWS _____ (3)

QUANTIFICATION (GQ) – 6 Cr.

• **(MATH 140 GQ)** _____ (3)
• (MATH 141 GQ or 200 level STAT GQ) _____ (3)

NATURAL SCIENCES (GN) – 9 Cr.

• **(BIOL 110 GN)** _____ (3)
• **(CHEM 110)** _____ (3)
• **(PHYS 250 or 211 GN)** _____ (3)

ARTS (GA) – 6 Cr.

____ (3)
____ (3)

HUMANITIES (GH) – 6 Cr.

• **(LITERATURE GH)** _____ (3)
_____ (3)

SOCIAL & BEHAVIORAL SCIENCES (GS) – 6 Cr.

• **(PSYCH 100 GS)** _____ (3)
(HD FS 239 GS) _____ (3)

HEALTH AND PHYSICAL ACTIVITY (GHA) – 3 Cr.

____ () _____ () _____ (3)

II. FIRST YEAR SEMINAR (FYS)/ELECTIVES – 0-4 Cr.

(FYS) _____ ()

PECT: PAPA • **(R)** _____ • **(W)** _____ • **(M)** _____
Specialty Test(s) _____

III. REQUIREMENTS FOR THE MAJOR
45 Cr.

Prescribed Courses – 36 Cr.+

• **PSYCH 100 GS** _____ (3)*
• **EDPSY 14** _____ (3)
• **C I 295** _____ (2)°
C I 280 GH _____ (3)
SPLED 400 _____ (4)
SPLED 403B _____ (3)
°C I 495C (SA/UN) _____ (3)°
°C I 495E _____ (15)°

Additional Courses – 3 Cr.+

°PSYCH 412 (or HD FS 239 GS*) _____ (3)

Supporting Courses & Related Areas – 6 Cr.+

EDTHP 400 – level selection (or 115 US) _____ (3)
• **Literature Selection GH** _____ (3)*

CODES:

- + Must earn “C” or better (C I 495C offered SA/UN only).
- ° See adviser for prerequisites and early application for clinical experiences.
- * The following courses may satisfy General Education components: PSYCH 100 GS & HD FS 239 GS (Social & Behavioral Science); 6 cr. MATH 140 GQ & 141 GQ or STAT 200 GQ (Quantification); 9 credits of the Prescribed and additional GN courses (Natural Science) and 3 credits of Literature GH (Humanities).
- # SCIED 411 prerequisites are underlined above.
- ° See Baccalaureate Degree Programs Bulletin for prerequisites.
- W Satisfies 3 credits of writing-intensive course requirement.
- Required for entrance to major/certification program.

NOTE: Red Cross certification or the equivalent in First Aid and CPR must be completed for certification. On-line courses not acceptable.

IV. OPTION REQUIREMENTS
57-63 Cr.

Prescribed Courses – 22 Cr.+

• **BIOL 110 GN** _____ (4)*
• **CHEM 110 GN** _____ (3)*
• **CHEM 111 GN** _____ (1)*
• **CHEM 112 GN** _____ (3)*
• **CHEM 113 GN** _____ (1)*
• **MATH 140 GQ** _____ (4)*
SCIED 411W _____ (3)
° SCIED 412 _____ (3)

Additional Courses – 27-33 Cr.+

°MATH 141 GQ or 200 level STAT GQ _____ (4)*
GEOSC 1 GN, 20 GN or °71 _____ (3)
GEOSC 21 GN or °204 _____ (3-4)
EARTH 100 GN, 101 GN, 103 GN or 105 GN _____ (3)
METEO 3 GN, 201 or °300 _____ (3-4)
GEOSC 40 GN, °440, °445; METEO 22 or
BIOL °435, °482 _____ (2-4)
ASTRO [10 GN & 11 GN] or °291 GN _____ (3)
• **PHYS 250 GN or 211 GN** _____ (4)*
°PHYS 251 GN, or 212 GN or 213 GN _____ (2-4)

Supporting Courses & Related Areas – 8 Cr.+

Select 8 cr. 200-400 level EARTH, GEOSC,
METEO, ASTRO, related earth sci field, or BIOL 427 _____ ()
_____ ()
_____ ()

Note: Must complete at least 3 cr. of IL and 3 cr. of US Cultures selections.

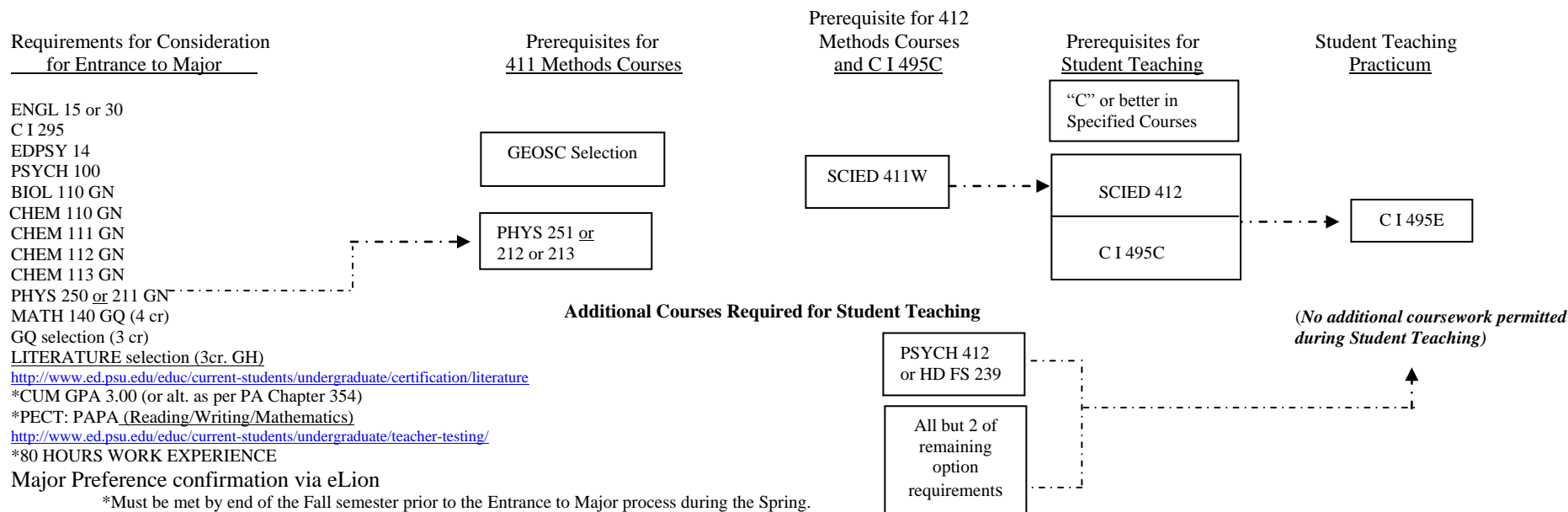
Questions? See Advising Handbook: www.ed.psu.edu/edservices

SECONDARY EDUCATION -- Earth and Space Teaching Option: Entrance Criteria

Eligibility for entrance to the Earth and Space teaching option in the Secondary Education (SECED) major is based on: (1) formal application, (2) completion of specified prerequisites, and (3) cumulative grade point average. (See Entrance to Major (ETM) information available from your adviser, or at <http://www.ed.psu.edu/educ/current-students/undergraduate/ent-exit-crit>).

Students must participate in a formal Entrance to Major process in a designated selection pool typically during the fourth semester in the Spring. New students from other institutions and current Penn State students who wish to be considered for a change of major into SECED also participate in appropriate, designated selection pools.

General sequences and block scheduling patterns of certain required courses follow. (This is not a complete semester-by-semester schedule.) General Education Courses and Prescribed, Supporting, and Additional Courses should be completed prior to student teaching.



RETENTION AND EXIT CRITERIA

Candidates for the baccalaureate degree and a Pennsylvania teacher certificate must (1) maintain throughout the program of study the cumulative grade point average required for admission to the program, and complete (2) the academic program requirements, (3) the applicable tests and clearances required by the Pennsylvania Department of Education.

For complete information about Entrance/Retention/Exit Criteria applicable to teacher preparation programs, and eligibility for a Pennsylvania teacher certificate, please see: <http://www.ed.psu.edu/educ/current-students/undergraduate/ent-exit-crit>

Questions? See Advising Handbook: www.ed.psu.edu/edservices