

The Pennsylvania State University
COLLEGE OF EDUCATION

SECONDARY EDUCATION
Biological Science Teaching Option

(See back for info on entrance, retention and exit criteria)

Student: _____

PSU ID Number: _____ E-Mail _____

Adviser: _____

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 GN)** _____ (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) ____•(M) ____•(W)____
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)
- ^PC I 495C (SA/UN) _____ (3)°
- ^PC I 495E _____ (15)°

Additional Courses – 3 Cr.+

PSYCH 412 (or HDFS 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 credits of prescribed GQ courses (Quantification); 9 credits of the Prescribed GN courses (Natural Science); and 3 credits of Literature GH (Humanities).

SCIED 411 prerequisites are underlined above.

^P 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.

DR. S. MCDONALD, Contact Person
129 Credits Required
EFFECTIVE MAY 2012

<http://www.ed.psu.edu/>

IV. OPTION REQUIREMENTS
63-66 Cr.

Prescribed Courses – 30 Cr.+

- **BIOL 110 GN** _____ (4)*
- ^P**BIOL 220W GN** _____ (4)*
- ^PBIOL 240W GN _____ (4)*
- **CHEM 110 GN** _____ (3)*
- ^P**CHEM 111 GN** _____ (1)*
- ^P**CHEM 112 GN** _____ (3)*
- ^P**CHEM 113 GN** _____ (1)*
- ^P**MATH 140 GO** _____ (4)*
- SCIED 411W _____ (3)
- ^PSCIED 412 _____ (3)

Additional Courses – 25-28 Cr.+

- ^PMATH 141 GQ or 200 level STAT GQ _____ (4)*
- ^PBIOL 230W GN or ^PBMB 251 & 252 _____ (4-6)
- ^PBIOL 427, ANTH 021 GN or ^P460; or _____ (3-4)
- ^PGEOSC 204 or 424 _____ (3-4)
- **PHYS 250 GN or 211 GN** _____ (4)*
- ^PPHYS 251 GN or 212 GN _____ (4)*

Select any 6 credits from:

- ^PBMB 211, 212, 401, 402 _____ (3)
- or CHEM 202, 203, 210, 212, 213 _____ (3)

Supporting Courses & Related Areas – 8 Cr.+

- Select 8 cr. of 300-400 level BIOL _____ ()
- or Biological fields _____ ()
- _____ ()

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

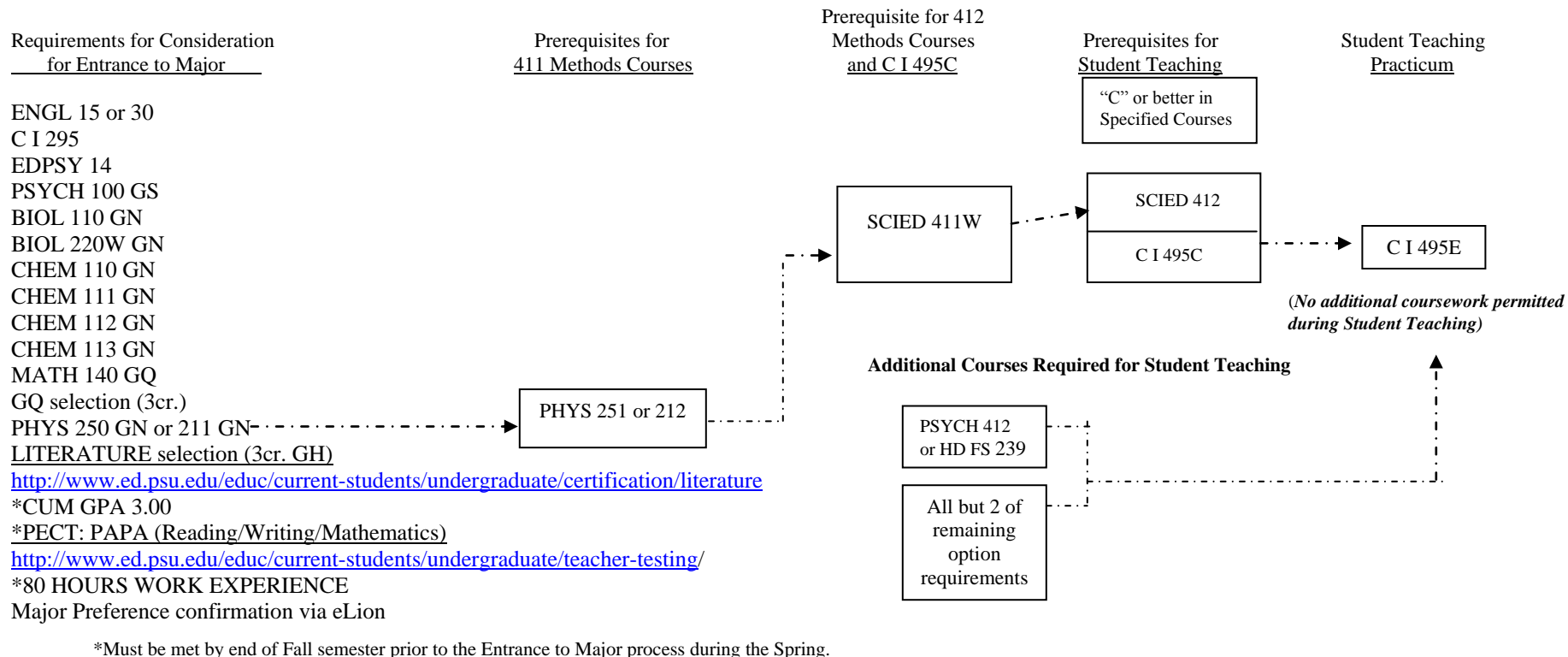
Questions? See online Advising Handbook: <http://www.ed.psu.edu/edservices>

SECONDARY EDUCATION – Biology Teaching Option: Entrance Criteria

Eligibility for entrance to the Biology teaching option in the Secondary Education (SECD) 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/edservices/certification/ent_criteria.asp).

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 SECD 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 Pennsylvania Teacher Certification, please see:
<http://www.ed.psu.edu/educ/current-students/undergraduate/ent-exit-crit>

Questions? See online Advising Handbook: <http://www.ed.psu.edu/edservices>