

The Pennsylvania State University  
COLLEGE OF EDUCATION

Student: \_\_\_\_\_

PSU ID Number: \_\_\_\_\_ E-Mail \_\_\_\_\_

Adviser: \_\_\_\_\_

**SECONDARY EDUCATION**  
**General Science Teaching Option\*\***  
(See back for information on enrollment  
control, entrance, retention and exit criteria)

DR. G. KELLY, Contact Person  
125 Credits Required  
**EFFECTIVE MAY 2009**

<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 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) \_\_\_\_\_ ( )

PRAXIS: PPST •(R) \_\_\_\_ •(M) \_\_\_\_ •(W) \_\_\_\_  
Specialty Tests(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 \_\_\_\_\_ (3)
- SPLED 400 \_\_\_\_\_ (4)
- SPLED 403B \_\_\_\_\_ (3)
- <sup>P</sup>C I 495C (SA/UN) \_\_\_\_\_ (3)°
- <sup>P</sup>C 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); 3 credits of GH (Humanities).
- # SCIED 411 and C I 412W prerequisites are underlined above.
- <sup>P</sup> 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.**

**\*\* Must be completed in conjunction with Biology, Chemistry, Earth & Space or Physics teaching options.**

**IV. OPTION REQUIREMENTS**  
38 Cr.

Prescribed Courses – 22 Cr.+

- **BIOL 110 GN** \_\_\_\_\_ (4)\*
- **CHEM 110 GN** \_\_\_\_\_ (3)\*
- <sup>P</sup>**CHEM 111 GN** \_\_\_\_\_ (1)\*
- <sup>P</sup>**CHEM 112 GN** \_\_\_\_\_ (3)\*
- <sup>P</sup>**CHEM 113 GN** \_\_\_\_\_ (1)\*
- <sup>P</sup>**MATH 140 GQ** \_\_\_\_\_ (4)\*
- SCIED 411 \_\_\_\_\_ (3)
- <sup>P</sup>SCIED 412W \_\_\_\_\_ (3)

Additional Courses – 16 Cr.+

- BIOL 220W GN, 230W GN, or 240W GN \_\_\_\_\_ (4)
- MATH 141 GQ or 200 level STAT GQ \_\_\_\_\_ (4)\*
- **PHYS 250 GN or 211 GN** \_\_\_\_\_ (4)\*
- <sup>P</sup>PHYS 251 GN or 212 GN \_\_\_\_\_ (4)\*

Supporting Courses & Related Areas – 21-26 Cr.+

**Select at least 21 credits from cohort teaching option  
(see note 1 below)**

Note 1: This option may only be completed in conjunction  
with another secondary teaching option, such as the  
Biological Science teaching option.

Note 2: Students may complete multiple science teaching  
options concurrently by completing all of each option's  
requirements. The six science teaching options are Bio  
logy, Chemistry, Earth and Space Science, Environmental  
Education, General Science, Physics.

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

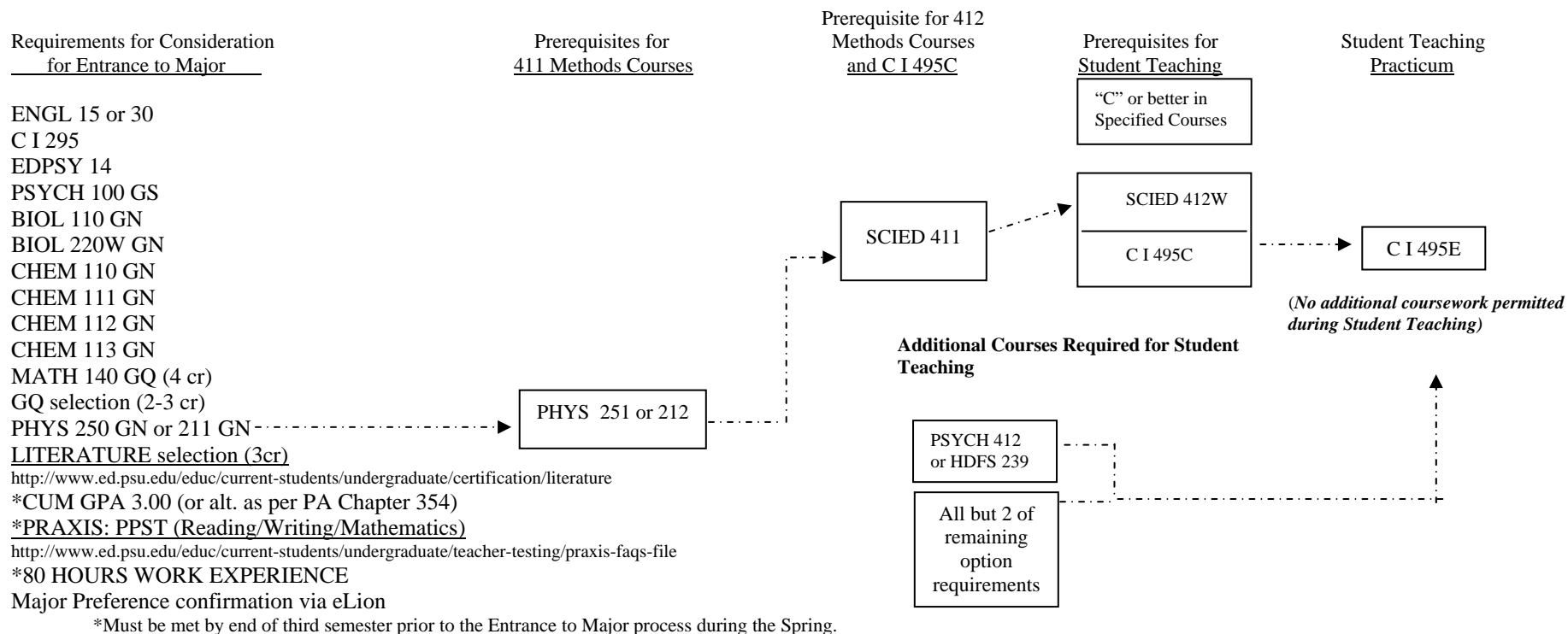
Questions? See Advising Handbook: [www.ed.psu.edu/edservices](http://www.ed.psu.edu/edservices)

## SECONDARY EDUCATION General Science Teaching Option: Entrance Criteria

Eligibility for entrance to the General Science 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 Pre-Certification Competency Examination on Educating the Handicapped, and (4) 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 Advising Handbook: [www.ed.psu.edu/edservices](http://www.ed.psu.edu/edservices)