

DRAFT: GENERAL SCIENCE: PRE-ED CHECKLIST (2011-12)

A. OSU BACCALAUREATE CORE COURSES

SKILLS COURSES (20 credits, COCC courses)

- _____ (4 cr) Writing 121
- _____ (4 cr) Writing II _____
- _____ (4 cr) Speech _____
- (4 cr) Math 105 or higher *(fulfilled below)*
- _____ (4 cr) Fitness HHP 295

PERSPECTIVES COURSES (27 credits, COCC courses)

- *No more than 2 courses from any one department may be used.*
- (4 cr) Physical Science (w/lab) *(fulfilled below)*
- (4 cr) Biological Science (w/lab) *(fulfilled below)*
- (4 cr) Physical/Biological Science (w/lab) *(fulfilled below)*
- (3 cr) Cultural Diversity *(fulfilled by Geography requirement)*
- (3 cr) Literature & Arts *(fulfilled by L&A requirement)*
- (3 cr) Social Processes *(fulfilled by Psychology requirement)*
- (3 cr) Western Culture *(fulfilled by History I requirement)*
- (3 cr) Difference, Power & Discrimination *(fulfilled by History II requirement)*

SYNTHESIS COURSES (6 credits)

- *Courses chosen in this section cannot be in the same department.*
- (3 cr) Science, Technology & Society *(fulfilled by History of Science requirement)*
- _____ (3 cr) Contemporary Global Issues _____

WRITING INTENSIVE COURSE (WIC) (3 - 4 credits)

- (3 cr) WIC *(could be fulfilled by History of Science requirement)*

GRADUATION REQUIREMENTS:
 180 Total Credits

 60 Upper Division Credits

 45 of last 75 credits must be taken through OSU

 24 of the 60 Upper Division credits must be from the College of Science

B. BASIC SCIENCE & MATH COURSES

- All courses below are COCC courses
- *No S/Us*
- *Courses taken in this section can double count with Bacc Core requirements.*

1. BIOLOGY (12 credits)

- (200 series recommended)*
- _____ BI 101 or BI 211
 - _____ BI 102 or BI 212
 - _____ BI 103 or BI 213

4. PHYSICAL SCIENCE (11 - 15 credits)*

- Choose 3 of the following courses:
 PH 201, 202, 203; or PH 211, 212, 213; or GS 104, GS 107, GS 108
- _____
- _____
- _____

2. CHEMISTRY (15 credits)

- _____ CH 221
- _____ CH 222
- _____ CH 223

5. EARTH SCIENCE (8 credits)*

- Choose 2 of the following courses:
 G 201, 202, 203
- _____
- _____

3. MATH (16 credits)

- _____ MTH 111 (or Higher)
- _____ MTH 211
- _____ MTH 212
- _____ MTH 213

* A full sequence in both Physics and Earth Science is recommended for a mid/high Integrated Science Endorsement.

C. GENERAL KNOWLEDGE

- Lower Division requirements are listed as COCC courses
- No S/Us in Section C.
- Courses taken in Section C can double count with Baccalaureate Core requirements.

1. HISTORY (11 credits)

- _____ (4) History I _____ (Choose one: HST 101, 102, or 103)
_____ (4) History II _____ (Choose one: HST 201 or 202)
_____ (4) History of Science _____ (Choose one: HSTS 415, 419, 421, 422, or 425)

2. GEOGRAPHY (3 credits)

- _____ (4) Non-Western World _____ (GEOG 202)

3. LITERATURE & ARTS (3 credits)

Choose one course in *Literature & the Arts* from the Baccalaureate Core list
(Recommended: ART 101, ENG 106,)

D. EDUCATION & PSYCHOLOGY CORE COURSES

- No S/Us in Section D
- Classes taken in this Section can double count with Bacc Core requirements.

1. PSYCHOLOGY AND HUMAN DEVELOPMENT (8-9 credits)

- _____ (4) PSY 201
_____ (4) PSY 202
_____ (4) HDFS 313 (4)

2. EDUCATION (12 credits)

- _____ (3) SED 412 (3)
_____ (3) SED 413/414 (3)
_____ (3) TCE 416 (2)
_____ (3) TCE 419 (2)

**Note: For OSU's Master's in Science Education: SED 412, SED 413/414, and HDFS 313 or TCE 512 may be required

E. PRACTICUM EXPERIENCE (6 credits. Minimum of 3 credits in a formal science/math classroom)

TCE 409/LS 406 (3): September experience or Winter classroom immersion, science/math classroom only.

TCE 309 (3): Field Practicum, must be in science/math classroom. Repeatable for 6 credits

- _____ (____ cr) _____
_____ (____ cr) _____

F. 27 UPPER DIVISION College of Science credits (Courses must be from BB, BI, BOT, CH, ENSC, GEO, MTH, MB, OC, PH, ZO and be 300 level and above)

- *No S/Us in this section.*
- *Courses used in Sections B - E can not be used in this section.*
- *Upper division SED and other non-science courses (e.g., GEO 325-329) do not count in this section.*
- *No more than 6 credits of unstructured courses (401, 403, 405, 407, or 410) may be included.*

_____ (____ cr) _____	_____ (____ cr) _____	_____ (____ cr) _____
_____ (____ cr) _____	_____ (____ cr) _____	_____ (____ cr) _____
_____ (____ cr) _____	_____ (____ cr) _____	_____ (____ cr) _____

Advising Notes: