

Student:
 PSU ID Number:
 E-Mail:
 Adviser:
 Program Year:
 Year Intending to Graduate:

**MATHEMATICS (MTHBD)
 Computer Science Option
 (B.S., 120 Credits)**

Supporting Courses & Related Areas – Select 12 credits from School-approved list.

§ _____ (3)
 § _____ (3)
 § _____ (3)
 § _____ (3)

Choices Include:

All 300- and 400-level courses in MATH and STAT, but no more than 3 credits of any 495 can be used as supporting courses. CMPSC 102 and all 300- and 400-level CMPSC courses, with the exception of CMPSC 360.

CMPEN 441.

All 200- and above level courses in MIS.

All SCM courses, with the exception of SCM 200.

CODES:

§ Grade of “C” or higher required.

^E Required for entrance to major.

NOTES:

- In order to be eligible for entrance to the mathematics major, a student must have attained at least a 2.00 cumulative GPA and completed MATH 140 and 141 earning a grade of C or better in both courses.
- Students graduating from this major must achieve a minimum grade-point average of 2.00 and earn a grade of C or better in all 300- and 400-level courses within the Prescribed, Additional, and Supporting courses as specified in Senate Policy 82-44. If a student receives a grade below C, s/he must repeat that course or a School approved alternative and earn a grade of C or better.
- Students should inquire whether their supporting courses count toward a minor or a certificate.
- Courses with a US/IL designation may also be used to satisfy a GA/GH/GN requirement. A course with a US and IL designation may not be used to satisfy both US and IL courses. A student needs at least one course with the US designation and one course with the IL designation.
- A student must earn at least a total of 120 credits for graduation.

SCHEDULING PATTERNS:

Some courses are offered only in the fall or in the spring semester, and some upper-level courses are offered in alternate year pattern. **This scheduling pattern is tentative and subject to change.**

- *Every Fall* – MATH 312, MATH 455
- *Every Spring* – STAT 401
- *Fall of Even Years* – MATH 427, MATH 428, MATH 465, STAT 462
- *Spring of Odd Years* - MATH 421, MATH 436, MATH 449, STAT 461, one of either MATH 426 or MATH 497
- *Fall of Odd Years* - MATH 412, MATH 435, STAT 414
- *Spring of Even Years* – MATH 310, MATH 429, MATH 456, MATH 482, one of either STAT 464 or STAT 466

**I. GENERAL EDUCATION COMPONENTS
 47 Credits**

WRITING/SPEAKING (GWS) – 9 Credits

ENGL 15 or ENGL 30 _____ (3)
 ENGL 202C _____ (3)
 CAS 100 _____ (3)

QUANTIFICATION (GQ) – 8 Credits

§^E MATH 140 _____ (4)
 §^E MATH 141 _____ (4)

NATURAL SCIENCES (GN) – 9 Credits

Select 8 credits in one of the following sequences:

a. BIOL 110 _____ (4)
 BIOL 220W _____ (4)
 b. CHEM 110 _____ (3)
 CHEM 111 _____ (1)
 CHEM 112 _____ (3)
 CHEM 113 _____ (1)
 c. PHYS 211 _____ (4)
 PHYS 212 _____ (4)
 d. PHYS 250 _____ (4)
 PHYS 251 _____ (4)
 _____ (1)

ARTS (GA) – 6 Credits

_____ (3)
 _____ (3)

HUMANITIES (GH) – 6 Credits

_____ (3)
 _____ (3)

SOCIAL & BEHAVIORAL SCIENCES (GS) – 6 Credits

_____ (3)
 _____ (3)

HEALTH AND PHYSICAL ACTIVITY (GHA) – 3 Credits

_____ ()
 _____ ()
 _____ ()

*United States Cultures (US) _____ (3)

*International Cultures (IL) _____ (3)

*These requirements may be fulfilled by courses that have been used to satisfy the GA, GH, or GS requirements.

**II. FIRST YEAR SEMINAR / ELECTIVES
 8 Credits**

PSU 007 _____ (1)
 _____ ()
 _____ ()
 _____ ()

**III. REQUIREMENTS FOR THE MAJOR
 29 Credits**

§ CMPSC 121 _____ (3)
 § CMPSC 122 _____ (3)
 § MATH 220 _____ (2)
 § MATH 230 _____ (4)
 § MATH 251 _____ (4)
 § MATH 311W _____ (4)
 § MATH 312 _____ (3)
 § STAT 301 _____ (3)
 § STAT 401 _____ (3)

**IV. OPTION REQUIREMENTS
 36 Credits**

Prescribed Courses – 12 Credits

§ CMPSC 221 or SWENG 311 _____ (3)
 § CMPSC 312 or CMPEN 351 _____ (3)
 § CMPSC 465 (*Take after the above*) _____ (3)
 § CMPSC 455 _____ (3)

Additional Courses – Select 12 credits from CMPSC courses at the 300- and 400-level.

§ _____ (3)
 § _____ (3)
 § _____ (3)
 § _____ (3)