

MATHEMATICS - Applied Mathematics Option (MTHBD)
(B.S., 120 credits)

Communications

ENGL 015 ____ (3)
 ENGL 202C ____ (3)
 CAS 100 ____ (3)

Quantification

CMPS 121 ____ (3) §
 MATH 140 ____ (4) §

Arts

____ ()
 ____ ()

Humanities

____ ()
 ____ ()

Prescribed Courses

CMPS 122 ____ (3) §
 MATH 141 ____ (4) §
 MATH 220 ____ (2) §
 MATH 230 ____ (4) §
 MATH 251 ____ (4) §
 MATH 311W ____ (4)
 MATH 312 ____ (3)
 STAT 301 ____ (3)
 STAT 401 ____ (3)

Natural Sciences (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)

Additional Courses: 27 credits

Select 15 credits from the following:
 MATH 310 __ (3), 403 __ (3),
 412 __ (3), 449 __ (3),
 455__ (3), 456 __ (3), 482 __ (3)
 STAT 414 __ (3), 461 __ (3),
 462 __ (3), 464 __ (3),

Select 6 credits from the following:
 CMPS 221 __ (3), 312 __ (3),
 335 __ (3), 431__ (3),
 458 __ (3), 474 __ (3),
 MATH 455__ (3), 456 __ (3)

Select 6 credits from:
 MATH 421 ____ (3)
 MATH 427..... ____ (3)
 MATH 429 ____ (3)
 MATH 435 ____ (3)
 MATH 436 ____ (3)
 MATH 465..... ____ (3)

Supporting Courses and Related Areas: 9 credits

Select 9 credits from School-approved list.

____ ()
 ____ ()
 ____ ()

Social and Behavioral Sciences _____ () _____ ()		
Health Education and Physical Education KINES _____ () KINES _____ () KINES _____ ()		Electives: at least 7 credits _____ () _____ () _____ ()
First Year Seminar PSU 007 ____ (1)	*United States Cultures (US), 3 credits _____ () *International Cultures (IL), 3 credits _____ () *These requirements can be fulfilled by courses from either the Arts, Humanities, or Social and Behavioral Sciences requirement.	§ Grade of C or higher

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 C grade 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, he/she must repeat that course or a School-Approved alternative, and earn a grade of C or better.

School of Science Approved list Applied Option

- All 300-and 400-level courses in BIOL, CHEM, MATH, PHYS, and STAT. No more than three credits of any 495 can be used as supporting courses.
- All 300-and 400-level computer courses, CMPSC 102 and CMPSC 109.
- ACCTG 211.
- All 300-and 400-level courses in ECON courses.
- All 300-and 400-level courses in FNC.
- All 200- and above level courses in MIS.
- All SCM courses, with the exception of SCM 200.
- BA 243.
- All MGMT courses.
- All MRKTG courses.