Mathematics Related Area Requirements

Related Area Requirements for majors in Mathematics

Candidates for the B.A. in Mathematics must satisfy the requirements in one of the groups below with a grade of C-or better. Candidates for the B.S.Ed. in Mathematics and B.S. in Mathematics must satisfy the requirements in two of the groups below with a grade of C-or better.

If candidates choose group 2, then they cannot apply either of the two courses listed in that group towards the additional 4000 level mathematics courses (beyond the core requirements) that must be completed for each of these degrees.

Students seeking a double degree, either within this department or with another department do not have to fulfill the related area requirements.

Related Area Courses

1) Computer Science		
Select two of the following:		6
CMP SCI 2250	Programming and Data Structures	
CMP SCI 2700	Computer Organization and Architecture	
CMP SCI 3130	Design and Analysis of Algorithms	
CMP SCI 4140	Theory of Computation	
CMP SCI 4410	Introduction to Computer Graphics	
CMP SCI 4420	Introduction to Digital Image Processing	
2) Statistics		
MATH 4200	Mathematical Statistics I	3
MATH 4210	Mathematical Statistics II	3

3) Biology		
BIOL 2102	General Ecology	3
BIOL 2103	General Ecology Laboratory	2
4) Biology		
BIOL 2012	Genetics	3
BIOL 4182	Population Biology	3
5) Chemistry		
CHEM 1111	Introductory Chemistry I	5
CHEM 1121	Introductory Chemistry II	5
6) Chemistry		
CHEM 3312	Physical Chemistry I	3
And another 3000-level, or above, chemistry course.		3
7) Economics		
ECON 1001	Principles of Microeconomics	3
ECON 1002	Principles of Macroeconomics	3
ECON 4100	Introduction to Econometrics	4
8) Philosophy		
PHIL 3360	Formal Logic	3
PHIL 3380	Philosophy of Science	3
~~PHIL 4460~~	~~Advanced Formal Logic~~	~~3~~
9) Physics		
PHYSICS 2111	Physics: Mechanics and Heat	5
PHYSICS 2112	Physics: Electricity, Magnetism, and Optics	5
10) Physics		

PHYSICS 3221	Mechanics	3
And another 3000 level, or above, physics course.		3
11) Business Administration		
~~LOG OM 3320~~	~~Advanced Supply Chain and Operations Management~~	~~3~~
~~and one of the following courses:~~		
~~LOG OM 4321~~	~~Production and Operations Management~~	~~3~~
~~LOG OM 4326~~	~~Quality Assurance In Business~~	~~3~~
~~LOG OM 4330~~	~~Course LOG OM 4330 Not Found~~	~~3~~
~~LOG OM 4350~~	~~Prescriptive Analytics and Optimization~~	~~3~~
SCMA 3320	Advanced Supply Chain and Operations Management	3
SCMA 4350	Prescriptive Analytics and Optimization	3
12) Engineering		
ENGR 2310	Statics	3
ENGR 2320	Dynamics	3

Sign-offs from other departments affected by this proposal

None

Rationale	The changes reflect courses which have been replaced by similar courses under a different name or the course is no longer desired as a related area course.