

Applied Mathematics - Three Year Program - 2012-2013 Catalogue

Note: This is an *example of a* three year BSAM schedule.

Many courses are offered in other semesters. If you overload, withdraw, transfer, or fail courses, your semester schedule may need to be adjusted.

Course numbers below are the new 4 digit numbers. * Indicates a course with a lab component.

Freshman Year 2012-2013
0-31 earned hours

Fall	CR
MATH1750 Engineering Calculus I /MATH285	4
MATH1550 Foundations of Applied Math I /MATH270	4
COMP1070 Computer Science I * /COMP128	4
MATH2300 Discrete Math /MATH410 MATH1500 Prerequisite	4
ENGLxxx English Sequence ENGL Sequence Prerequisite	4

Total Semester Credits: 20

Spring	CR
MATH1850 Engineering Calculus II /MATH295 MATH1750/MATH1775 Prerequisite	4
MATH1575 Foundations of Applied Math II /MATH275	4
PHYS1250 Engineering Physics I * /PHYS310 MATH1750/MATH1775 Corequisite	4
COMP1071 Computer Science II * /COMP201 COMP1070 Prerequisite	4
ENGLxxx English Sequence ENGL Sequence Prerequisite	4

Total Semester Credits: 20

Summer	CR
COOP3000 Pre-Cooperative Work Semester Optional	0

Sophomore Year 2013-2014
32-63 earned hours

MATH2025 Multivariable Calculus /MATH515 MATH1850 Prerequisite	4
MATH2100 Probability and Statistics /MATH505 MATH1850 Prerequisite	4
PHYS1750 Engineering Physics II * /PHYS320 PHYS1250/MATH1750 Prerequisite MATH1850/MATH1875 Corequisite	4
MATH2500 Differential Equations /MATH625 MATH1850 Prerequisite	4
HSS, HUMN, SS See below HSS, HUMN, and SS Elective Requirements	4

Total Semester Credits: 20

MATH3700 Operations Research /MATH310 MATH2100 Prerequisite	4
MATH2860 Linear Algebra and Matrix Theory /MATH890 MATH1850 Prerequisite	4
MATH3900 Introduction to Numerical Analysis /MATH320 COMP1250/MATH1850 Prerequisite	4
ELECTIVE Technical Elective	4
HSS, HUMN, SS See below HSS, HUMN, and SS Elective Requirements	4

Total Semester Credits: 20

COOP3500 Cooperative Work Semester I Required	0
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Third Year 2014-2015

MATH5000 Applied Math Final Year Design I /MATH690	4
MATH2200 Advanced Statistics /MATH605 MATH2100 Prerequisite	4
MATH4900 Partial Differential Equations MATH2500 Prerequisite	4
ELECTIVE Technical Elective	4
HSS, HUMN, SS See below HSS, HUMN, and SS Elective Requirements	4

Total Semester Credits: 20

COOP4500 Cooperative Work Semester II Required	0
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MATH5500 Applied Math Final Year Design II /MATH691	4
ELECTIVE Technical Elective	4
ELECTIVE Technical Elective	4
HSS, HUMN, SS See below HSS, HUMN, and SS Elective Requirements	4
HSS, HUMN, SS See below HSS, HUMN, and SS Elective Requirements	4

Total Semester Credits: 20

Total Curriculum Credits: 120

HSS, HUMN, and SS Elective Requirements

HUMN Humanities Elective	
ELECTIVE ENGL Sequence Prerequisite	
SS Social Science Elective	
ELECTIVE ENGL Sequence Prerequisite	
HSS Humanities or Social Science Elective	
ELECTIVE ENGL Sequence Prerequisite	
HSS Humanities or Social Science Elective	
ELECTIVE ENGL Sequence Prerequisite	
HSS Humanities or Social Science Elective	
ELECTIVE ENGL Sequence Prerequisite	

Additional Information

For helpful CAS Registration Information go to www.wit.edu/cas/registration-info.html.
For important registration information, forms, deadlines and important academic dates, go to www.wit.edu/ssc.
For additional tracking sheets go to www.wit.edu/cas/cas-tracking-sheets.html.
For the Wentworth Catalog go to www.wit.edu/catalog.

Advisor Signature: _____

Date: _____

Student Signature: _____

Date: _____

Notes: Signature indicates review and understanding of remaining graduation requirements. Failure to complete courses as recommended may result in delay of graduation date.