

Applied Mathematics - Four Year Program - 2013-2014 Catalogue

Note: This is an *example* of a four 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. Previous 3 digit requirements noted below. * Indicates a course with a lab component.

	Fall	CR	Spring	CR	Summer	CR
Freshman Year 2013-2014 0-31 earned hours	MATH1750 Engineering Calculus I	4	MATH1850 Engineering Calculus II	4		
	/MATH285		/MATH295 MATH1750/MATH1775 Prerequisite			
	MATH1550 Foundations of Applied Math I	4	MATH1575 Foundations of Applied Math II	4		
	/MATH270		/MATH275			
	COMP1070 Computer Science I *	4	COMP1071 Computer Science II *	4		
	/COMP128		/COMP201 COMP1070 Prerequisite			
	ENGLxxx English Sequence	4	ENGLxxx English Sequence	4		
	ENGL Sequence Prerequisite		ENGL Sequence Prerequisite			
	Total Semester Credits: 16		Total Semester Credits: 16			
Sophomore Year 2014-2015 32-63 earned hours	MATH2025 Multivariable Calculus	4	MATH3700 Operations Research	4	COOP3000 Pre-Cooperative Work Semester Optional	0
	/MATH515 MATH1850 Prerequisite		/MATH310 MATH2100 Prerequisite			
	MATH2100 Probability and Statistics	4	MATH2860 Linear Algebra and Matrix Theory	4		
	/MATH505 MATH1850 Prerequisite		/MATH890 MATH1850 Prerequisite			
	MATH2500 Differential Equations	4	PHYS1250 Engineering Physics I *	4		
	/MATH625 MATH1850 Prerequisite		/PHYS310 MATH1750/MATH1775 Corequisite			
	HSS, See below HSS, HUMN, and SS	4	HSS, See below HSS, HUMN, and SS	4		
	HUMN, SS Elective Requirements		HUMN, SS Elective Requirements			
	Total Semester Credits: 16		Total Semester Credits: 16			
Junior Year 2015-2016 64-95 earned hours	MATH2300 Discrete Math	4	MATH3900 Introduction to Numerical Analysis	4	COOP3500 Cooperative Work Semester I Required	0
	/MATH410 MATH1500 Prerequisite		COMP1250/MATH1850 Prerequisite			
	MATH2200 Advanced Statistics	4	ELECTIVE Technical Elective	4		
	/MATH605 MATH2100 Prerequisite					
	PHYS1750 Engineering Physics II *	4	ELECTIVE Technical Elective	4		
	/PHYS320 PHYS1250/MATH1750 Prerequisite					
	MATH1850/MATH1875 Corequisite		HSS, See below HSS, HUMN, and SS	4		
	HSS, See below HSS, HUMN, and SS	4	HUMN, SS Elective Requirements			
	HUMN, SS Elective Requirements					
	Total Semester Credits: 16		Total Semester Credits: 16			
Senior Year 2016-2017 96+ earned hours	MATH5000 Applied Math Final Year Design I	4	COOP4500 Cooperative Work Semester II Required	0	MATH5500 Applied Math Final Year Design II	4
	/MATH690				/MATH691	
	MATH4900 Partial Differential Equations	4			ELECTIVE Technical Elective	4
	MATH2500 Prerequisite					
	ELECTIVE Technical Elective	4			HSS, See below HSS, HUMN, and SS	4
					HUMN, SS Elective Requirements	
	Total Semester Credits: 12				Total Semester Credits: 12	
					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.