

Applied Mathematics - Three Year Program - 2019-2020 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.

* Indicates a course with a lab component.

Freshman Year 2019-2020
0-31 earned hours

Fall		CR
MATH1750	Engineering Calculus I	4
MATH1550	Foundations of Applied Math	4
PHYS1250	Engineering Physics I * MATH1750/MATH1775 Corequisite	4
COMP1000	Computer Science I *	4
ENGLxxxx	English Sequence ENGL Sequence Prerequisite	4

Total Semester Credits: 20

Spring		CR
MATH1850	Engineering Calculus II MATH1750/MATH1775 Prerequisite	4
MATH2300	Discrete Mathematics MATH1500 Prerequisite	4
PHYS1750	Engineering Physics II * PHYS1250/MATH1750 Prerequisite MATH1850/MATH1875 Corequisite	4
COMP1050	Computer Science II * COMP1000 or ELEC3150 Prerequisite	4
ENGLxxxx	English Sequence ENGL Sequence Prerequisite	4

Total Semester Credits: 20

Summer		CR
COOP3000	Pre-Cooperative Work Semester Optional	0

Sophomore Year 2020-2021
32-63 earned hours

MATH2025	Multivariable Calculus MATH1850 Prerequisite	4
MATH2100	Probability and Statistics MATH1850 Prerequisite	4
MATH2550	Transition to Advanced Mathematics MATH1500 Prerequisite	4
MATH3900	Numerical Analysis I COMP1250/MATH1850 Prerequisite	4
HSS, HUMN, SS	See below HSS, HUMN, and SS Elective Requirements	4

Total Semester Credits: 20

MATH2200	Advanced Statistics MATH2100 Prerequisite	4
MATH2500	Differential Equations MATH1850 Prerequisite	4
MATH2860	Linear Algebra & Matrix Theory MATH1850 Prerequisite	4
MATH3950	Numerical Analysis II MATH3900 Prerequisite	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 2021-2022

MATH3700	Operations Research MATH2100 Prerequisite	4
MATH4900	Partial Differential Equations MATH2500 Prerequisite	4
ELECTIVE	Technical Elective MATH4400, MATH4575 or MATH4875 Requ'd	4
ELECTIVE	Technical Elective MATH4400, MATH4575 or MATH4875 Requ'd	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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MATH5000	Applied Math Final Year Design	4
ELECTIVE	Technical Elective MATH4400, MATH4575 or MATH4875 Requ'd	4
ELECTIVE	Technical Elective MATH4400, MATH4575 or MATH4875 Requ'd	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
HSS	ENGL Sequence Prerequisite Humanities or Social Science
ELECTIVE	Elective
HSS	ENGL Sequence Prerequisite Humanities or Social Science
ELECTIVE	Elective
ELECTIVE	ENGL Sequence Prerequisite

Additional BSAM Requirements

PUBLIC
LECTURE
WEBSITE
CREATED
POSTER
PRESENTATION

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: _____