PROGRESSION FLOWCHART: Bachelor of Science in Mathematical Sciences - Applied Sciences

FRESHMAN
- COM 1103 College Composition
- LLT 1213 World Masterpieces 1
- MCS 1243 Foundations of Computer Science
- MCS 1414 Calculus 1
- Nat Sci _ _ _ 3 Natural Science
- Nat Sci _ _ _ 1 Natural Science Lab

SOPHOMORE
- COM 1001 Pathways to Research Careers
- LLT 1223 World Masterpieces 2
- MCS 1514 Computer Science 1
- MCS 1424 Calculus 2
- MCS 2124 Statistics
- MCS 2111 Coding Club

JUNIOR
- SSC 2413 Foundations of American Exper
- MCS 2233 Discrete Math
- MCS 2414 Calculus 3
- MCS 2413 University Physics 1
- MCS 2411 University Physics 1 Lab
- MCS 2423 Differential Equations
- PHY 2421 University Physics 1 Lab
- MCS 2423 Advanced Calculus
- PHY 2423 University Physics 2
- PHY 2431 University Physics 2 Lab
- MCS 3123 Applied Statistics
- MCS 3723 Partial Differential Eq.
- MCS 3863 Linear Algebra
- MCS 3403 Probability & Statistics
- MCS 3123 General Elective
- MCS 3733 Senior Project 1
- MCS 3523 Math Modelling
- MCS 3863 Math Modelling
- MCS 3123 General Elective

SENIOR
- SSC 2423 Development of American Exper
- MCS 1111 Coding Club
- MCS 2523 Differential Equations
- MCS 2414 Calculus 3
- PHY 2413 University Physics 1
- MCS 2423 Advanced Calculus
- PHY 2423 University Physics 2
- MCS 3733 Partial Differential Eq.
- PHY 2423 University Physics 2
- MCS 3733 Senior Project 1
- MCS 3863 Linear Algebra
- MCS 3863 Math Modelling
- MCS 3123 General Elective
- MCS 4813 Numerical Analysis 1
- MCS 4833 Senior Project 1
- MCS 4111 Mathematics Journal Club
- MCS 4993 Topics in MCS

KEY: ____________ Prerequisite
- ____________ Corequisite
- ____________ Seminar

15 15 17 15 15 15 16 16
124 Total Credits

Name: ___________________________ I.D. No. ____________
NOTES
Modified: February 2021
Must be approved by advisor
See your advisor to schedule the upper level mathematics classes and for a list of approved electives.