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

**FRESHMAN**
- COM 1103 College Composition
- LLT 1223 World Masterpieces 2
- MSC 1243 Foundations of Computer Science
- MCS 1414 Calculus 1
- Nat Sci _ _ _ 3 Natural Science
- Nat Sci _ _ _ 1 Natural Science Lab

**SOPHOMORE**
- LLT 1213 World Masterpieces 1
- SSC 2413 Foundations of American Exper
- MCS 1424 Calculus 2
- MCS 2124 Statistics
- PHY 2421 University Physics 1 Lab
- MCS 2111 Mathematics Research Topics

**JUNIOR**
- SSC 2423 Development of American Exper
- COM 2103 Tech & Prof Communication
- MCS 2423 Differential Equations
- MCS 2414 Calculus 3
- PHY 2413 University Physics 1
- PHY 2423 University Physics 2
- MCS 3403 Probability & Statistics
- MCS 3723 Advanced Calculus
- PHY 2431 University Physics 2 Lab
- PHY 2432 University Physics 2 Lab
- SSC/PSY _ _ _ 3 General Elective

**SENIOR**
- COM 3000 Writing Proficiency Exam
- MCS 1111 Coding Club
- MCS 3523 Math Modelling
- MCS 3733 Partial Differential Eq.
- MCS 3733 Partial Differential Eq.
- MCS 3733 Partial Differential Eq.
- MCS 4111 Mathematics Journal Club
- MCS 4001 Pathways Capstone Lab
- MCS 4001 Pathways Capstone Lab
- MCS 4843 Senior Project 2
- MCS 4993 Topics in MCS

**KEY:**
- Prerequisite
- Corequisite
- 15
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**Name:** _______________________________ I.D. No. __________________

**NOTES**
- Must be approved by advisor
- See your advisor to schedule the upper level mathematics classes and for a list of approved electives.

**Modified:** May 2020