# Four-Year Model Plan:
## Bachelor of Science degree in Mathematics – Computer Science

| Fall | | Spring | |
|---|---|---|---|
| ENGL 101 College English I | 3 | ENGL 102 College English II | 3 |
| MATH 242 Calculus I | 5 | COMM 111 Public Speaking | 3 |
| General Education Natural Science w/lab | 4 | MATH 243 Calculus II | 5 |
| General Education Humanities*[1] | 3 | General Education Social and Behavioral Science [1] | 3 |
| | | Elective | 1 |
| | 15 | | 15 |

| Fall | | Spring | |
|---|---|---|---|
| MATH 344 Calculus III | 3 | MATH 511 Linear Algebra | 3 |
| MATH 321 Discrete Structures | 3 | MATH 555 Differential Equations | 3 |
| CS 211 Introduction to Programming | 4 | MATH 322 Discrete Structures II | 3 |
| General Education Natural Science | 3 | CS 311 Object-Oriented Programming | 4 |
| Upper Division General Education Natural Science | 3 | Elective | 1 |
| | 16 | | 14 |

| Fall | | Spring | |
|---|---|---|---|
| MATH 415 Introduction to Advanced Mathematics | 3 | MATH 547 Advanced Calculus | 3 |
| MATH 451 Computational Mathematics | 3 | MATH 551 Numerical Methods | 3 |
| CS/STAT/MATH Elective# | 3 | CS Elective# | 3 |
| CS 400 Data Structures | 4 | General Education Social and Behavioral Science* | 3 |
| General Education Fine Arts | 3 | LAS Elective | 3 |
| | 16 | | 15 |

| Fall | | Spring | |
|---|---|---|---|
| CS/STAT/MATH Elective# | 3 | Numerical Methods CS/STAT/MATH Elective | 3 |
| CS Elective# | 3 | CS Elective# | 3 |
| Introductory Humanities* | 3 | Upper Division General Education Humanities | 3 |
| Upper Division General Education S&B Science | 3 | Elective | 3 |
| LAS Elective | 3 | Elective | 2 |
| | 15 | | 14 |

* Fairmount College of Liberal Arts and Sciences requires all students to complete Literature and either U.S. History or American Politics

[1] All incoming freshman are required to take <u>one</u> First-Year Seminar as part of their General Education program.

# Please consult with math advisor to see which courses are required. **Math majors should meet with their faculty advisor each semester.**