Mathematics-Computational Applied Mathematics Concentration

Suggested Fall/Spring Four-Year Schedule

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| FRESHMAN FALL | | | FRESHMAN SPRING | | |
| Course | Hours | Notes | Course | Hours | Notes |
| MATH 1910 | 4 |  | MATH 1920 | 4 | Core |
| ENGL 1010 | 3 |  | MATH 2010 | 3 | Core |
| FINE ARTS | 3 |  | ENGL 1020 | 3 |  |
| NATURAL SCIENCE | 4 |  | NATURAL SCIENCE | 4 |  |
| CSCI 1100 (or UIT Exam) | 3 |  | HIST 2010 | 3 |  |
|  |  |  |  |  |  |
| SUBTOTAL | 14-17 |  | SUBTOTAL | 17 |  |
|  |  |  |  |  |  |
| SOPHOMORE FALL | | | SOPHOMORE SPRING | | |
| Course | Hours | Notes | Course | Hours | Notes |
| MATH 2050 | 3 | Core | MATH 2090 | 2 | Core, IWRT, ITEC |
| MATH 2110 | 4 | Core | MATH 2120 | 3 |  |
| MATH 3000 | 3 | Core | MATH 3250 | 3 |  |
| BIOL 1100 | 4 |  | BIOL 1120 | 4 |  |
| OR |  |  | OR |  |  |
| PHYS 2110 | 5 |  | PHYS 2120 | 5 |  |
|  |  |  | **Elective** | **3** |  |
|  |  |  |  |  |  |
| SUBTOTAL | 14-15 |  | SUBTOTAL | 15-16 |  |
|  |  |  |  |  |  |
| JUNIOR FALL | | | JUNIOR SPRING | | |
| Course | Hours | Notes | Course | Hours | Notes |
| MATH 3150 | 3 |  | MATH 4027 | 3 |  |
| MATH 4127 | 3 |  | MATH 4010 | 3 | IWRT, ICOM |
| SPCH 2320 | 3 |  | SOCIAL/BEHAVIOR SCIENCE | 3 |  |
| History 2020 | 3 |  | **Elective** | **3** |  |
| **Elective** | **3** |  | **Elective** | **3** |  |
|  |  |  |  |  |  |
| SUBTOTAL | 15 |  | SUBTOTAL | 15 |  |
|  |  |  |  |  |  |
| SENIOR FALL | | | SENIOR SPRING | | |
| Course | Hours | Notes | Course | Hours | Notes |
| MATH 4217 | 3 |  | MATH 4337 | 3 |  |
| MATH 4257 | 3 | Or MATH 4267  ITEC | MATH 4267 | 3 | Or MATH 4257  ITEC |
| Literature | 3 |  | PHIL 2640 | 3 |  |
| SOCIAL/BEHAVIOR SCIENCE | 3 |  | **Elective** | **3** |  |
| **Elective** | **3** |  | **Elective** | **3** |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| SUBTOTAL | 15 |  | SUBTOTAL | 15 |  |

NOTES:

**Oral Communication**Students must complete a minimum of **two** oral communication-intensive (ICOM) courses. At least one of these courses must be in the student’s major or minor.   (NOTE: Any course taken in the department in which a student is majoring counts as in the major.)  

**Information Technology** Students must complete a minimum of **one** information technology-intensive (ITEC) course in the student’s  major or minor.

**Writing** Students must complete a minimum of **four** writing-intensive (IWRT) courses. At least two of these courses must be in the student’s major or minor.  At least two of the four courses must be at the 3000-4000 level.

MATH 3040 (History of Mathematics) is an IWRT & ICOM course. Spring only.

STAT 4307 (Sampling & Survey Techniques) is an IWRT course.

SPCH 2320 when used to fulfill general education requirements cannot be used to meet ICOM.