

**Bachelor of Science - Computer Science**  
**First Time Freshman Academic Roadmap**

| Year 1: Freshman Year      |               |                          |       | Year Total                    |               |                      |       | 28 |
|----------------------------|---------------|--------------------------|-------|-------------------------------|---------------|----------------------|-------|----|
| Fall Semester              | Term Offered  | Prerequisite Courses     | Units | Spring Semester               | Term Offered  | Prerequisite Courses | Units |    |
| CSE 2010                   | Fall & Spring | CSE 1250 or Consent      | 4     | CSE 2020                      | Fall & Spring | CSE 2010, Math 2720  | 4     |    |
| MATH 2210 (GE-B4)          | Fall & Spring | MATH 1401 or sat. plcmnt | 4     | MATH 2220                     | Fall & Spring | MATH 2210            | 4     |    |
| MATH 2720                  | Fall & Spring | GE B4, sat by Math 2210  | 3     | Written Communication (GE-A2) | Fall & Spring |                      | 3     |    |
| Oral Communication (GE-A1) | Fall & Spring |                          | 3     | Critical Thinking (GE-A3)     | Fall & Spring |                      | 3     |    |
|                            |               |                          |       |                               |               |                      |       |    |
| Semester Total             |               |                          | 14    | Semester Total                |               |                      | 14    |    |

| Year 2: Sophomore Year    |               |                               |       | Year Total        |               |                      |       | 36 |
|---------------------------|---------------|-------------------------------|-------|-------------------|---------------|----------------------|-------|----|
| Fall Semester             | Term Offered  | Prerequisite Courses          | Units | Spring Semester   | Term Offered  | Prerequisite Courses | Units |    |
| CSE 2130                  | Fall & Spring | CSE 2010                      | 3     | CSE 3100          | Spring        | CSE 2010             | 4     |    |
| CSE 2310                  | Fall & Spring | MATH 2210, 2220 or pre/co req | 4     | CSE 4310          | Spring        | CSE 2020, MATH 2310  | 3     |    |
| PHYS 2500 (GE-B1)         | Fall          | MATH 2220                     | 4     | PHYS 2510         | Spring        | MATH 2220, PHYS 2500 | 4     |    |
| PHYS 2500L (GE-B3)        | Fall          | MATH 2220                     | 1     | PHYS 2510L        | Spring        | MATH 2220, PHYS 2500 | 1     |    |
| Foundation Seminar (GE-E) | Fall & Spring |                               | 3     | MATH 2265         | Fall & Spring | MATH 2210 pre/co req | 3     |    |
| General Education         | Fall & Spring |                               | 3     | General Education | Fall & Spring |                      | 3     |    |
| Semester Total            |               |                               | 18    | Semester Total    |               |                      | 18    |    |

| Year 3: Junior Year |               |                      |       | Year Total            |               |                      |       | 31 |
|---------------------|---------------|----------------------|-------|-----------------------|---------------|----------------------|-------|----|
| Fall Semester       | Term Offered  | Prerequisite Courses | Units | Spring Semester       | Term Offered  | Prerequisite Courses | Units |    |
| CSE 4010            | Fall          | CSE 2130, CSE 3100   | 3     | CSE 4100              | Spring        | CSE 2020             | 3     |    |
| CSE 4550            | Fall          | CSE 2020             | 4     | CSE 5000              | Spring        | CSE 2020             | 3     |    |
| CSE 4600            | Fall          | CSE 2130             | 3     | CSE 5120,5140 or 5160 | Fall & Spring | CSE 2020             | 3     |    |
| General Education   | Fall & Spring |                      | 3     | CSE Elective          | Fall & Spring | depends              | 3     |    |
| General Education   | Fall & Spring |                      | 3     | General Education     | Fall & Spring |                      | 3     |    |
| Semester Total      |               |                      | 16    | Semester Total        |               |                      | 15    |    |

| Year 4: Senior Year |               |                      |       |  | Year Total        |                    |                      |       | 30 |     |
|---------------------|---------------|----------------------|-------|--|-------------------|--------------------|----------------------|-------|----|-----|
| Fall Semester       | Term Offered  | Prerequisite Courses | Units |  | Spring Semester   | Term Offered       | Prerequisite Courses | Units |    |     |
| CSE 57000           | Fall & Spring | CSE 2020, 2130       | 3     |  | CSE 4880          | Spring             | Senior standing      | 3     |    |     |
| CSE 5720            | Fall & Spring | CSE 2020             | 3     |  | CSE 5250          | Spring             | CSE 4010             | 3     |    |     |
| CSE Elective        | Fall & Spring | depends              | 3     |  | CSE Elective      | Fall & Spring      | depends              | 3     |    |     |
| General Education   | Fall & Spring |                      | 3     |  | CSE Elective      | Fall & Spring      | depends              | 3     |    |     |
| General Education   | Fall & Spring |                      | 3     |  | General Education | Fall & Spring      |                      | 3     |    |     |
| Semester Total      |               |                      | 15    |  | Semester Total    |                    |                      | 15    |    |     |
| CSCICNSBSX          |               |                      |       |  |                   | Degree Units Total |                      |       |    | 125 |