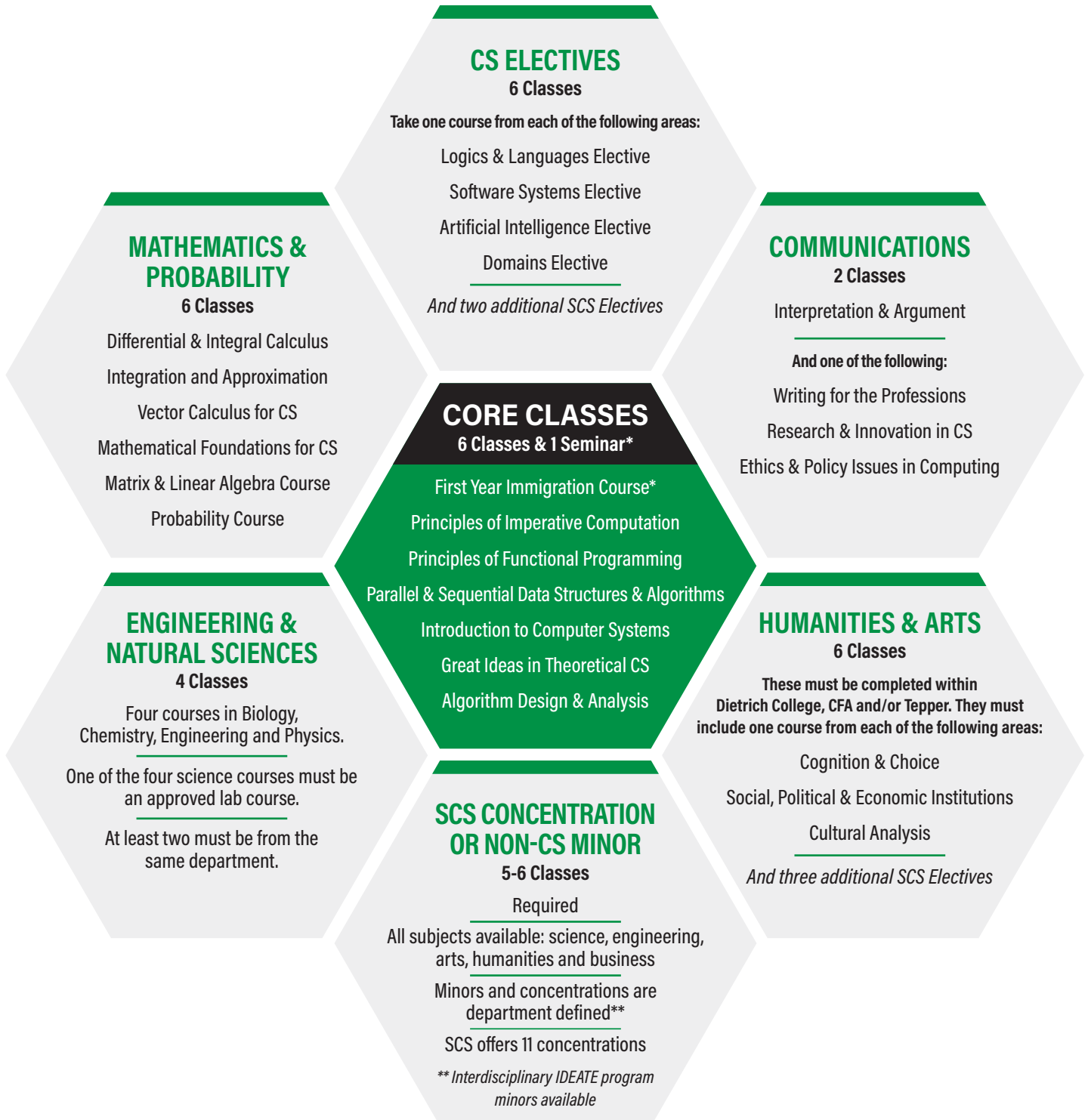


COMPUTER SCIENCE MAJOR

PROGRAM REQUIREMENTS (360 UNITS)



Sample Course Schedule

B.S. IN COMPUTER SCIENCE

Note: For Students with AP Computer Science or College Credit in Introductory Programming and AP Calculus, AB or college credit for Calculus I.

YEAR 1: FALL

| COURSE | UNITS | COURSE NAME |
|--------|-------|---|
| 07-128 | 3 | First Year Immigration Course |
| 07-131 | 2 | Great Practical Ideas for Computer Scientists |
| 15-122 | 12 | Principles of Imperative Computation |
| 15-151 | 12 | Mathematical Foundations for Computer Science |
| 21-122 | 10 | Integration and Approximation |
| 76-101 | 9 | Interpretation and Argument |

YEAR 1: SPRING

| COURSE | UNITS | COURSE NAME |
|--------|-------|---|
| 15-150 | 12 | Principles of Functional Programming |
| 15-213 | 12 | Introduction to Computer Systems |
| 21-266 | 10 | Vector Calculus for Computer Scientists |
| xx-xxx | 9 | Science/Engineering Course |
| xx-xxx | 9 | Humanities and Arts Elective |

YEAR 2: FALL (SOPHOMORE)

| COURSE | UNITS | COURSE NAME |
|--------|-------|-------------------------------------|
| 15-251 | 12 | Great Ideas in Theoretical CS |
| 21-241 | 11 | Matrices and Linear Transformations |
| xx-xxx | 9 | Science/Engineering Course |
| xx-xxx | 9 | Humanities and Arts Elective |
| xx-xxx | 9 | Minor Requirement/Free Elective |

YEAR 2: SPRING

| COURSE | UNITS | COURSE NAME |
|--------|-------|--|
| 15-210 | 12 | Parallel and Sequential Data Structures and Algorithms |
| xx-xxx | 9/12 | Probability Course |
| xx-xxx | 9 | Science/Engineering Course |
| xx-xxx | 9 | Humanities and Arts Elective |
| xx-xxx | 9 | Minor Requirement/Free Elective |

YEAR 3: FALL (JUNIOR)

| COURSE | UNITS | COURSE NAME |
|--------|-------|--|
| 15-451 | 12 | Algorithm Design and Analysis |
| xx-xxx | 9/12 | Computer Science: Constrained Elective |
| xx-xxx | 9 | Technical Communications Course |
| xx-xxx | 9 | Humanities and Arts Elective |
| xx-xxx | 9 | Minor Requirement/Free Elective |

YEAR 3: SPRING

| COURSE | UNITS | COURSE NAME |
|--------|-------|--|
| xx-xxx | 9/12 | Computer Science: Constrained Elective |
| xx-xxx | 9 | School of Computer Science Elective |
| xx-xxx | 9 | Science/Engineering Course |
| xx-xxx | 9 | Humanities and Arts Elective |

YEAR 4: FALL (SENIOR)

| COURSE | UNITS | COURSE NAME |
|--------|-------|--|
| xx-xxx | 9/12 | Computer Science: Constrained Elective |
| xx-xxx | 9 | School of Computer Science Elective |
| xx-xxx | 9 | Humanities and Arts Elective |
| xx-xxx | 9 | Minor Requirement/Free Elective |

YEAR 4: SPRING

| COURSE | UNITS | COURSE NAME |
|--------|-------|--|
| xx-xxx | 9/12 | Computer Science: Constrained Elective |
| xx-xxx | 9 | Humanities and Arts Elective |
| xx-xxx | 9 | Minor Requirement/Free Elective |
| xx-xxx | 9 | Minor Requirement/Free Elective |