

COMPUTER SCIENCE – B.S. – 2021-22

To the student: Please make sure you are using the correct check sheet based on your enrollment year. YOU are responsible for making sure you are on the correct check sheet and completing all program requirements accurately and on time.

Min Total Hours Required: 120
Total Lib Arts Hrs Req'd: 62
Min overall GPA: 2.0
Other: Min major GPA of 2.0
Other: No grade less than C- in major

Residence Requirements:
31 Hrs at RWC
15 Hrs in Major at RWC
Of last 31 Hrs, 24 at RWC

Name: _____

| Shared Core | | SHr | Grd |
|-------------|-----------------------------|-----|--------|
| FYSE 1000 | First Year Seminar | 2 | |
| COMP 1010 | Prin Writing | 3 | Min C- |
| PHST 1300 | Personal Wellness | 1 | |
| BIBL 1010 | Encounter the OT | 3 | |
| BIBL 1020 | Engaging the NT | 3 | |
| ECON 1050 | Personal Financial Success | 1 | |
| HIST 1400 | Western History Global Cont | 3 | |
| SRSE 4100 | Senior Seminar | 2 | |

| Choice Core | | SHr | Grd |
|-------------|----------------------------|-----|-----|
| COMP 1020 | Writing & Researc | 3 | |
| PHIL 2202 | Philosophical Ethics | 3 | |
| LITR 1010 | Intro Literature | 3 | |
| COMM 1105 | Fund of Oral Communication | 3 | |
| | Behavioral Science ¥ | 3 | |
| N/A | Social Science | N/A | N/A |
| | Lab Science ■ | 4 | |
| N/A | Mathematics | N/A | N/A |
| | Fine Arts | 4 | |

| Foreign Language | | SHr | Grd |
|------------------|-------------------|-----|-----|
| | Foreign Language♦ | 3 | |
| | Foreign Language♦ | 3 | |
| | Foreign Language♦ | 3 | |

¥ not needed if PSYC 2600 is taken as an elective in the major

■ not needed if a lab science is taken as an elective in the major

Honors program students will have substitutions for several Gen Ed courses

♦Or proficiency as outlined in the College catalog

| Major Requirements: 65 Hours | | SHr | Grd |
|--|--|-----|-----|
| (Note: No more than 6 hrs of CSCI 4500 and 4980, combined, may be applied toward the major.) | | | |
| CSCI 2010 | Computer Science I | 4 | |
| CSCI 2020 | Object-Oriented Programming | 3 | |
| CSCI 2500 | Intro to Computer Professions | 1 | |
| CSCI 2710 | Data Structures | 3 | |
| CSCI 2110 | Comptr Orgnzn & Architecture | 3 | |
| CSCI 3210 | Seqntl & Parallel Algorithms | 3 | |
| CSCI 4710 | Software Engineering | 3 | |
| CSCI 4910 | Intro Research in Cmptr Sci | 1 | |
| CSCI 4500 or CSCI 4980 | Internship or Senior Project | 3 | |
| 3000- or 4000-level Computer Science electives (9 Hrs) | | | |
| CSCI | | 3 | |
| CSCI | | 3 | |
| CSCI | | 3 | |
| COMM | Appvd Comm Course(2000 or higher) | 3 | |
| ECON | Economics | 3 | |
| MATH 2400 or MATH 3400 | Elementary Statistics or Probability & Statistics | 3 | |
| MATH 2070 | Discrete Math | 3 | |
| MATH 2281 | Calculus I | 4 | |
| MATH 2282 | Calculus II | 4 | |
| MATH 3710 | Numerical Analysis | 3 | |
| Electives – select from the following & from no more than two departments (9 Hrs) | | | |
| BIOLOGY DEPARTMENT: | | | |
| BIOL 1110 | General Biology I (with Lab) | 3,1 | |
| BIOL 1120 | General Biology II (with Lab) | 3,1 | |
| BUSINESS/MANAGEMENT DEPARTMENT: | | | |
| BUAD 1010 | Introduction to Business | 3 | |
| MGMT 2020 | Principles of Management | 3 | |
| PSYC 2600 | Organizational Behavior | 3 | |
| CHEMISTRY DEPARTMENT: | | | |
| CHEM 1110 | Prin of Chemistry I (with Lab) | 3,1 | |
| CHEM 1120 | Prin of Chemistry II (with Lab) | 3,1 | |
| MATHEMATICS DEPARTMENT: | | | |
| MATH 2283 | Calculus III | 4 | |
| MATH 3110 | Linear Algebra | 3 | |
| MATH 4710 | Mathematical Modeling | 3 | |
| PHYSICS DEPARTMENT: | | | |
| PHYS 1001 or PHYS 2001 | General Phy I & Lab or Phy for Engrs & Scntsts I & Lab | 3,1 | |
| PHYS 1002 or PHYS 2002 | General Phy II & Lab or Phy for Engrs & Scntsts II & Lab | 3,1 | |
| PHYS 2003L | Modern Physics | 3,1 | |

Shading=Lib Arts