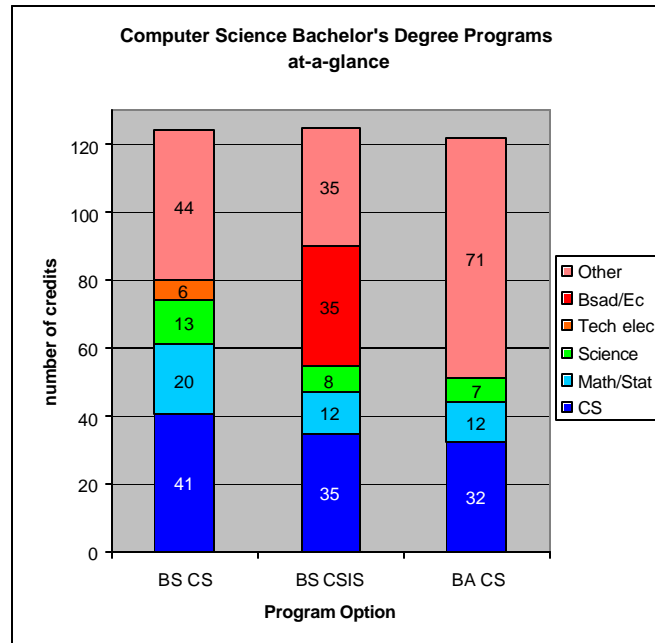


UNDERGRADUATE COMPUTER SCIENCE AT UVM

Bachelors Degree Options:

- 1) BS CS: Bachelor of Science in Computer Science (College of E&M) – *Most technical, follows CSAB accreditation guidelines.*
- 2) BS CSIS: Bachelor of Science, Major in Computer Science and Information Systems (College of E&M) – *Interdisciplinary program combining Computer Science and Business Administration.*
- 3) BA CS: Bachelor of Arts, Major in Computer Science (College of A&S) – *Most flexible; liberal arts education with a Computer Science major; facilitates double-majors.*



An accelerated Master's degree program is available through all options, enabling top students to earn a Master's degree in Computer Science with only one additional year of study.

Computer Science Courses Typically Taken by CS majors

First Year Courses:

- CS 14 – Visual Basic (BS CSIS only)
- CS 21 & CS 26 – Programming I and II

Sophomore Courses:

- CS 100 – Object-oriented programming
- CS 101 – Computer Organization
- CS 104 – Data Structures
- CS 103 – Programming Languages (BS CS and BA CS)
- CS 148 – Database Design for the Web (BS CSIS)

Typical Junior/Senior CS electives: (BS CS – 7 courses; BS CSIS – 4 courses; BA CS – 4 courses)

- | | |
|---------------------------------|--|
| CS 201 - Operating Systems | CS 251 - Artificial Intelligence |
| CS 202 - Compiler Construction | CS 256 - Neural Computation |
| CS 204 - Database Systems | CS 260 - Parallel Programming |
| CS 205 - Software Engineering | CS 265 - Computer Networks |
| CS 222 - Computer Architecture | CS 266 - Network Security & Cryptography |
| CS 224 - Analysis of Algorithms | CS 274 - Computer Graphics |
| CS 243 - Theory of Computation | |

Senior Seminar: CS 292 – Senior Seminar