

# B.S. IN PHYSICS AND M.S. IN COMPUTER SCIENCE

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Students in the Computational Physics concentration of the Physics major may be eligible to complete an individualized Accelerated Bachelor's to Master's degree program in conjunction with the master's program in Computer Science which would allow up to 9 units of coursework that could be counted toward both the bachelor's and master's degrees. Interested students should contact the Department of Computer and Information Sciences to request permission to take up to 3 graduate computer science courses that will count toward both the undergraduate requirements and the eventual master's degree. Students granted permission to pursue the individualized combined degree would use the graduate level coursework (usually COSC 519, COSC 578, COSC 600, or a COSC graduate level elective) to fulfill the undergraduate 120 unit requirements. Please see the specific screening requirements on the Accelerated BS/MS in Computer Science page.

Students interested in the program should declare their intent as soon as possible to their major adviser and must meet with the computer science graduate program director, Dr. Michael McGuire, early in the fall of the third (junior) year.

## Graduate Level Courses in Computer & Information Sciences for Undergraduate Physics Majors

| Code            | Title   | Units |
|-----------------|---|-------|
| COSC 519        | OPERATING SYSTEMS PRINCIPLES                    | 3     |
| COSC 578        | DATABASE MANAGEMENT SYSTEMS I                   | 3     |
| COSC 600        | ADVANCED DATA STRUCTURES AND ALGORITHM ANALYSIS | 3     |
| COSC 6xx or 7xx | Group B Elective from master's program          | 3     |