

# APPLIED COMPUTING MAJOR, B.S.\*

\* Distance Learning program offered online in collaboration with other University of Wisconsin institutions.

| Course   | Title   | Credits    |
|--|---|------------|
| <b>General Requirements <sup>1</sup></b>   |   |            |
| General Education ( <a href="http://catalog.uwplatt.edu/undergraduate/degree-requirements/bachelor-of-science-degree-core-curriculum/">http://catalog.uwplatt.edu/undergraduate/degree-requirements/bachelor-of-science-degree-core-curriculum/</a> ) <sup>2</sup> |   | 44-48      |
| Electives  |   | 11-15      |
| <b>Required Courses (61 credits)</b>   |   |            |
| APC 3000   | Programming I   | 3          |
| APC 3100   | Math for Computer Science                                 | 3          |
| APC 3200   | Introduction to Business                                  | 3          |
| APC 3300   | Technical and Professional Communication                  | 3          |
| APC 3400   | Legal and Ethical Responsibilities of the IT Professional | 3          |
| APC 3500   | Programming II  | 3          |
| APC 3600   | Database Management I                                     | 3          |
| APC 3700   | Systems Analysis and Design                               | 3          |
| APC 3800   | Project Management Techniques                             | 3          |
| APC 3900   | Object Oriented Programming                               | 3          |
| APC 4000   | Applied Communication Networks                            | 3          |
| APC 4100   | Database Management II                                    | 3          |
| APC 4200   | Computer Security I                                       | 3          |
| APC 4300   | Applied Data Structures and Algorithms                    | 3          |
| APC 4400   | Web Development   | 3          |
| APC 4500   | Operating Systems Theory and Practice                     | 3          |
| APC 4600   | Software Engineering Practices                            | 3          |
| APC 4700   | IS Strategy and Management                                | 3          |
| APC 4800   | Computer Security II                                      | 3          |
| APC 4900   | Capstone Prep   | 1          |
| APC 4950   | Capstone Project  | 3          |
| <b>Total Credits</b>   |   | <b>120</b> |

<sup>1</sup> An algebra course equivalent to MATH 1530 or higher is required for admission to this program. MATH 1620 or above is required to fulfill the Math Competency Requirement.

<sup>2</sup> World Languages requirement may be waived for online degree students (exclusions may apply).