

BS in Computer Science and Master of Software Engineering

5 yr Dual Degree Program - Sample Schedule

	Semester I	Semester II
Year 1	CS 120 Software Design I (4) MTH 207 Calculus I (5) Gen Ed Elective (3) Gen Ed Elective (2) Gen Ed Elective (3) <div style="text-align: right;">17 credits</div>	CS 220 Software Design II (4) CS 225 Discrete Computational Structures (3) MTH 208 Calculus II (4) Gen Ed Science Elective (4) <div style="text-align: right;">15 credits</div>
Year 2	CS 270 Intro to Assembler Programming, C Programming & Computer Organization (3) CS 340 Software Design IV: Abstract Data Types (4) Gen Ed Elective (3) Gen Ed Elective (3) Gen Ed Elective (2) Elective (3) <div style="text-align: right;">18 credits</div>	CS 370 Computer Architecture (3) CS Elective (3) CS Elective (3) Gen Ed Science Elective (4) Gen Ed Elective (3) <div style="text-align: right;">16 credits</div>
Year 3	CS 421 Programming Language Concepts (3) CS 441 Operating Systems (3) Gen Ed Elective (3) Gen Ed Elective (3) Elective (3) Internship or Elective (2) <div style="text-align: right;">17 credits</div>	CS 442 Compiler Construction (3) CS Elective (3) Gen Ed Elective (3) Gen Ed Elective (3) Gen Ed Elective (3) Internship or Elective (2) <div style="text-align: right;">17 credits</div> <p>* Apply for "graduate special status" for fall</p>
Year 4	CS 741 Software Engineering Principles (3) CS 743 Software Verification & Validation (3) MSE Elective (3) Gen Ed Elective (3) Elective (3) Elective (3) <div style="text-align: right;">18 credits</div> <p>**Apply for "full graduate status" for spring semester**</p>	CS 742 Formal Methods in Software Dev (3) CS 546 Object-Oriented Software Dev (3) MSE Elective (3) Elective (3) Elective (3) <div style="text-align: right;">15 credits</div>
Year 5	CS 798 Software Development Project (6) MSE Elective (3) <div style="text-align: right;">9 credits</div>	CS 744 Managerial Issues in Software Dev. (3) CS 798 Software Development Project (6) <div style="text-align: right;">9 credits</div>

* You must apply for graduate special status prior to registering for your first graduate course.

** You must apply for full graduate status prior to registering for your fourth graduate course.

*** You also have the option of taking general education courses during winter term (January between the semesters) and summer to reduce the load during regular semesters. Additional UW-L and College of Science and Health core requirements may be required.