

The Computer Science Project Sequence

All Computer Science majors must take a one- or two-semester project course from an approved department list. Students who take an approved one- semester project course such as Compiler Writing must take two additional CS electives; otherwise, only one additional CS elective is needed. Students may not take more than 6 credits from any combination of the following: 91.401, 91.402, 91.460, and 91.490.

Courses That Form CS Project Sequences

The following courses are currently accepted as CS project sequences.

First Semester	Second Semester
91.309 Database I	91.310 Database II
91.406 Intro to Compiler Construction	<i>Additional CS Elective</i>
91.411 Software Engineering I	91.412 Software Engineering II
91.413 Data Communications I	91.414 Data Communications II <i>or</i> 91.561 Computer Security I
91.420 Artificial Intelligence	91.421 Data Mining <i>or</i> 91.422 Machine Learning
91.421 Data Mining	91.422 Machine Learning
91.422 Machine Learning	91.423 Computer Vision <i>or</i> 91.442 Natural Language Processing
91.427 Graphics I	91.428 Graphics II
91.450 Robotics I	91.451 Robotics II
91.461 GUI Programming I	91.462 GUI Programming II
91.540 Visual Analytics	91.541 Data Visualization
91.561 Computer Security I	91.562 Computer Security II

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Tentative Schedule of Upcoming CS Project Course Offerings

A subset of our project courses is typically offered in alternating years. The following schedule is *tentative*. Please consult the [main Advising page](#) for courses offered in the current semester.

Course Sequence	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016	Spring 2017
91.309 / 91.310 Database I & II	91.309	91.310	91.309	91.310	91.309	91.310
91.406 Compiler Construction (<i>1-semester sequence</i>)		91.406				91.406
91.411 / 91.412 Software Engineering I & II	91.412	91.411	91.412	91.411	91.412	91.411
91.413 / 91.414 Data Comm. I & II			91.413	91.414		
91.413 / 91.561 Data Comm. I & Computer Security I			91.413	91.561		
91.420 / 91.421 Artificial Intelligence & Data Mining	91.420		91.421		91.420	
91.420 / 91.422 Artificial Intelligence & Machine Learning	91.420	91.422		91.422	91.420	
91.420 / 91.450 * Artificial Intelligence & Robotics I	91.420	91.450		91.450	91.420	91.450
91.421 / 91.422 * Data Mining & Machine Learning	91.421	91.422	91.421	91.422	91.421	
91.422 / 91.423 Machine Learning & Computer Vision	91.423	91.422		91.422	91.423	91.422
91.422 / 91.442 Machine Learning & Nat. Lang. Processing	91.442	91.422	91.442	91.422	91.442	91.422
91.427 / 91.428 Graphics I & II	91.427	91.428			91.427	91.428
91.450 / 91.451 Robotics I & II		91.450	91.451	91.450		91.450
91.461 / 91.462 GUI Programming I & II	91.461	91.462	91.461	91.462	91.461	91.462
91.540 / 91.541 Visual Analytics & Data Visualization	91.541		91.540	91.541		
91.561 / 91.562 Network Security I & II				91.561	91.562	

* indicates course pairs in which the courses have no prerequisite relationship, meaning that these courses can be taken in either order or even simultaneously.