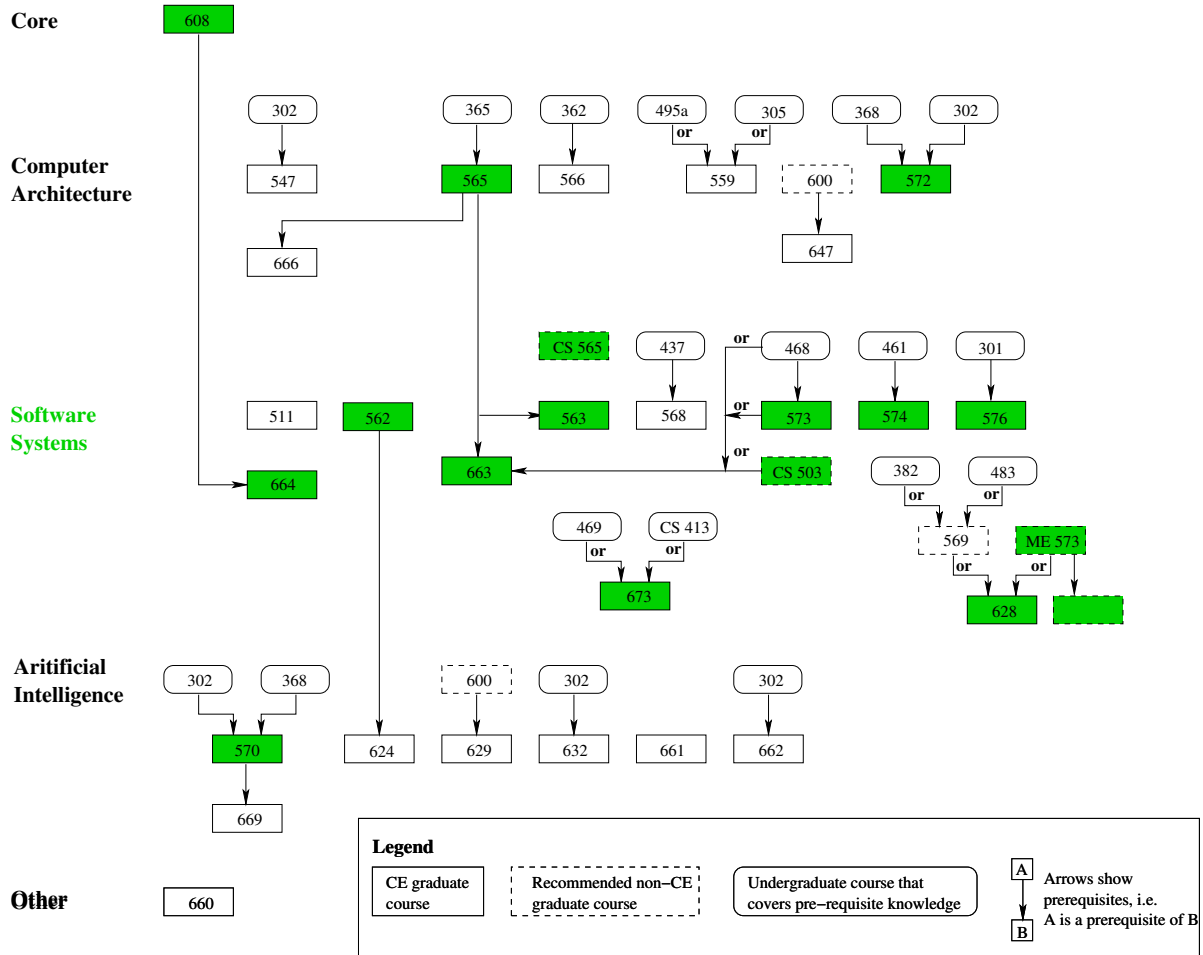


# COMPUTER ENGINEERING (CE) AREA COURSES

The following listings and diagrams provide suggestions for graduate students preparing Plans of Study in Computer Engineering. The courses are organized loosely into three sub-areas: Computer Architecture, Software Systems, and Artificial Intelligence. In all cases, courses other than those listed may be used with the approval of your advisor and the ECE Graduate Office. Additional experimental courses are available: for the current list see the web page at <http://www.purdue.edu/ECE/Graduates/>.



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|---|--|--|
| ECE511 Psychophysics                            | ECE574 Software Engineering Methodology            | ECE647 Computer Communication Network                            |
| ECE547 Intro to Computer Communication Networks | ECE576 Image Synthesis                             | ECE660 Topics Computer Engineering                               |
| ECE559 MOS VLSI Design                          | CS503 Operating Systems                            | ECE661 Computer Vision   |
| ECE562 Intro to Data Management                 | CS565 Programming Languages                        | ECE662 Pattern Recognition & Decision Making Processes           |
| ECE563 Programming Parallel Machines            | ME573 Interactive Computer Graphics                | ECE663 Compiler Code Generation, Optimization, & Parallelization |
| ECE565 Computer Architecture                    | ME574 Advanced Computer Graphics                   | ECE664 Formal Languages, Computability, & Complexity             |
| ECE566 CISC Microprocessor System Design        | ECE600 Random Variables & Signals                  | ECE666 Advanced Computer Systems                                 |
| ECE568 Embedded Systems                         | ECE608 Computational Models & Methods              | ECE668 Artificial Intelligence                                   |
| ECE569 Introduction to Robotic Systems          | ECE624 Multimedia Information Systems              | ECE669 Natural Language Processing                               |
| ECE570 Artificial Intelligence                  | ECE628 Computer Graphic Simulation & Visualization | ECE673 Distributed Computing Systems                             |
| ECE572 Fault Tolerant Computer Systems          | ECE629 Intro to Neural Networks                    |  |
| ECE573 Compilers & Translator Writing Systems   | ECE632 Machine Learning & Data Mining              |  |