

Fast Track
Optimizing the transition
Undergraduate ↔ Graduate
Department of Computer Science

An Overview

The *Fast Track* program is an identification of specific pairs of advanced undergraduate and graduate courses. This identification helps excellent undergraduates avoid some repetition and move further into advanced studies during their undergraduate days.

Fast Track students can earn up to 9 credits of graduate credit while finishing their undergraduate degree. This can reduce the needed period for a graduate degree by a full semester. This credit is received by taking a graduate course and other work that may be required by the instructor. At the end of the semester, the student is also awarded *Credit by Examination* by the professor based upon satisfactory academic performance.

The necessary steps to take advantage of this opportunity are:

1. Make excellent grades as an undergraduate. A GPR of 3.5 is required.
2. Visit with an advisor (in RICH 916) to review your progress and explore the *Fast Track* possibilities. This normally will be done no earlier than the first semester of the third year. It should be done with at least two semesters remaining.
3. Select the courses that you plan to take for *Fast Track* and ask the advisor to make sure of the expected schedule for those courses to be offered. (Some graduate courses are offered once per year, or less often.)
4. Each time you plan to enroll in a *Fast Track* course, you should:
 - Meet the instructor for the course and discuss his/her requirements.
 - Enroll for the course.
 - Complete a form for taking a graduate course. You will check **one** box reserving the course for graduate credit.

5. Toward the end of the semester you are taking a graduate course for *Fast Track* credit, check with the advising office to remind them to process the *Credit by Examination* paperwork to give you the appropriate credit for the course on your degree plan.

Fast Track Course Pairs

Software Engineering. The student takes CPSC 606 for Graduate Credit. It is paired with the undergraduate course CPSC 431, **Software Engineering.**

Computer Architecture. The student takes CPSC 614 for Graduate Credit. It is paired with the undergraduate course CPSC 469, **Advanced Computer Architecture.**

Artificial Intelligence. The student takes CPSC 625 for Graduate Credit. It is paired with the undergraduate course CPSC 420, **Artificial Intelligence.**

Theory of Computability. The student takes CPSC 627 for Graduate Credit. It is paired with the undergraduate course CPSC 433, **Formal Languages and Automata.**

Robotics Programming. The student takes CPSC 643 for Graduate Credit. It is paired with the undergraduate course CPSC 452, **Robotics and Spatial Intelligence.**

Computer-Human Interaction. The student takes CPSC 671 for Graduate Credit. It is paired with the undergraduate course CPSC 436, **Computer-Human Interaction.**

The advisors are located in RICH 916. They are:

Dr. Joseph Hurley—Computer Science	845-4087
Dr. Richard Furuta—Computer Engineering	845-4087
Dr. Hank Walker—Graduate Studies	845-8981

September 4, 2006