

Department of Software Engineering
 Building 70 # 1690
 Phone: (585) 475-5461

Application Domain Description

UNDERGRADUATE

Name of domain: Artificial Intelligence

This domain provides students with a broad exposure to the multidisciplinary field of artificial intelligence. Within this domain, students will acquire both the theoretical knowledge and technical skills needed to interact with researchers and practitioners in domains, including game development, computer vision, and sensors.

Courses

<i>Course number</i>	<i>Course title</i>	<i>Prerequisites</i>
4003-455	Artificial Intelligence	4003-450
0514-443	Cognitive Psychology	0514-210
0514-530 or 0514-531 or 0514-532	Attention & Spatial Vision Language & Problem Solving Judgment & Decision Making	All courses require: 0514-210, 350, and 400 or 402

Domain Prerequisites

<i>Course number</i>	<i>Course title</i>
0514-210	Introduction to Psychology (taken as LA elective)
0514-350	Psychological Statistics (free elective or get permission to use engineering statistics)
0514-400 or 0514-402	Experimental Psychology (free elective) Research Methods (free elective)

Considerations

Minor: Complete 3 additional psychology electives from an approved list (see the Psychology department for current list).

Before you start on an application domain you should work through the impacts on your schedule. There may be a need to coordinate your co-op blocks based on the quarters in which courses are typically offered as well as considering course pre-requisite chains required within the application domain. Be sure to check with the sponsoring department to obtain the latest information on course prerequisites, scheduling, and registration constraints. Before embarking on a minor you should meet with the department sponsoring the minor to review their current minor requirements, register for the minor, and review scheduling strategies.

Last reviewed: 01 February 2010