

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

Application Domain Description

UNDERGRADUATE

Name of domain: Usability

This domain provides students with a broad exposure to the multidisciplinary field of human factors. Within this domain, students will acquire the knowledge and skills needed to work with diverse members of product teams such as graphic designers, usability engineers, and ergonomic specialists. This domain is useful for students who wish to understand the design and interaction issues involving the human user and the system itself.

Required Courses

<i>Course number</i>	<i>Course title</i>	<i>Prerequisites</i>
PSYC-223	Cognitive Psychology	PSYC-101
Take TWO of the following		
PSYC-224	Perception	PSYC-101
ISEE-330	Human Factors	CQAS-252 or MATH-252
ISTE-260	Designing the User Experience	ISTE-140 and ISTE-240 (co-req)
HCIN-620	Information and Interaction Design	SWEN-444
HCIN-630	Usability Testing	HCIN-600 and HCIN-610 (or equiv courses) SWEN-444

Domain Prerequisites

<i>Course number</i>	<i>Course title</i>
PSYC-101	Introduction to Psychology (taken as LA elective)
MATH-252	Probability & Statistics 2 (taken as Math/Science elective)
MATH-251	Probability & Statistics 1 (taken in place of STAT-205)
ISTE-140	Web I (taken as free elective)
ISTE-240	Web II (taken as free elective)
SWEN-444	Human-Centered Requirements and Design (required SE course)

Considerations

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 semesters 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.