

Internet and Web, Undergraduate Certificate

The undergraduate certificate in Internet and Web is a ~~six-course~~ five-course (~~18~~ 15 credit hours) program. It is designed to provide a broad training in technologies related to the Internet and Web, with flexibility allowing a student to satisfy specific interests. A minimum GPA of 2.5 is required for admission.

Required Courses:

| | | |
|--------------|--|---|
| CMP SCI 3010 | Web Programming | 3 |
| CMP SCI 4010 | Advanced Web Development with Java | 3 |
| CMP SCI 4011 | Web Development with Advanced JavaScript | 3 |
| CMP SCI 4012 | Introduction to Enterprise Web Development | 3 |

Elective

Choose ~~two~~ one of the following courses: ~~6~~ 3

| | |
|--------------|--|
| CMP SCI 4020 | Introduction to Android Apps: Android Fundamentals |
| CMP SCI 4030 | Introduction to Intelligent Web |
| CMP SCI 4610 | Database Management Systems |
| CMP SCI 4730 | Computer Networks and Communications |
| CMP SCI 4750 | Introduction to Cloud Computing |

~~INFSYS 3846~~ ~~E-Commerce~~

Total Hours ~~18~~ 15

A minimum of ~~four~~ three courses must be taken ~~in residence at~~ from UMSL. Courses may be substituted with the permission of the ~~department~~ certificate coordinator. For more information, students can contact the department chair or email info@arch.umsl.edu.

Sign-offs from other departments affected by this proposal

| Department | Contact Person | Phone # | Objections |
|------------|-------------------------------------|---------|------------|
| S005150 | Dinesh Mirchandani | 7354 | No |
| Rationale | Reducing to 15 hours as sufficient. | | |