

## New Program Proposal

### Certificate in Internet and Web

The undergraduate Certificate in Internet and Web is a six-course (18 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:		
CMP SCI 3010	Web Programming	3
CMP SCI 4010	Advanced Web Development with Java	3
CMP SCI 4012	Introduction to Enterprise Web Development	3
Choose three of the following:		9
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	
<b>Total Hours</b>		<b>18</b>

A minimum of four courses must be taken in residence at UMSL. For more information, students can contact the department chair or email [info@arch.umsl.edu](mailto:info@arch.umsl.edu)