

Web Technologies and Applications

Introduction Design and develop interactive websites and web applications using the latest tools and technologies. You will learn theoretical concepts and practical applications of web technologies not only useful not only in the web industry, but also within a different major field of study. The broad areas of study include web publishing, programming, databases, security, and multimedia. Electives will be chosen based on the students' academic and professional goals.

 Careers	 Skills
Web Developer (Front-End and/or Back-End) Web Content Manager Web Designer Interaction Designer UX Designer	HTML CSS JavaScript PHP MySQL UI design

Good to know Over four billion people globally were active internet users as of April 2018.

Related programs Computer Programming, Mobile App Development

Selecting courses Students majoring in CSCI have a modified set of requirements — ask an ITP advisor. An asterisk (*) next to a course name means that the course has a prerequisite.

PROGRAM REQUIREMENTS

Minor Requirements

MINIMUM UNITS: 18

MINIMUM SEMESTERS: 3

Complete the following (13 units)

Course	Title	Units	✓
ITP-104	Web Publishing	2	
ITP-300	Database Web Development*	3	
ITP-301	Interactive Web Development*	4	
ITP-460	Web Application Project*	4	

Choose from the following electives (5 units)

ITP-302	Advanced Web Publishing*	2	
ITP-310	Design for User Experience	3	
ITP-404	Modern Technologies of Web Development*	3	
ITP-411	Multimedia and Video Production	3	
ITP-425	Web Application Security*	4	
ITP-470	Information Technology Practicum	1-4	

Specialization Requirements

MINIMUM UNITS: 11

MINIMUM SEMESTERS: 3

Complete the following (9 units)

Course	Title	Units	✓
ITP-104	Web Publishing	2	
ITP-300	Database Web Development*	3	
ITP-301	Interactive Web Development*	4	

Choose from the following electives (2 units)

ITP-302	Advanced Web Publishing*	2	
ITP-310	Design for User Experience	3	
ITP-460	Web Application Project*	4	

How to declare In order to officially declare one of our minors or specializations, please schedule an appointment to meet with a member of our advisement team. During your appointment, you'll discuss the program requirements, create a course plan, and have the chance to ask any questions you may have. There is not an application, but you must be in good academic standing.





Curriculum and course offerings Based on the availability of faculty, students and classroom space, we are able to offer a wide selection of courses every fall and spring semester. However, we are not always able to offer every course. If you are registering for your final semester and the course you need to graduate isn't offered, please contact our advisement team. Additionally, if there are any future changes to the curriculum on this document, students will be provided the option to follow: (a) the degree requirements in the catalogue current in their first term of enrollment after admission or readmission at USC or (b) degree requirements in a subsequent catalogue as long as they were enrolled in a term in which it was in effect.

ABOUT ITP

We offer a challenging, state-of-the-art education for those interested in learning about the dynamic and growing field of information technology (IT) — which includes computers, mobile apps, data analytics, smart devices, cyber security, and more.

Our classes offer students practical, hands-on experience with the latest tools, programming languages, and applications.

CONTACT INFORMATION

-  (213) 740-4542
-  OHE 412
-  <https://itp.usc.edu/>
-  itpadvising@usc.edu

Minor policies

- You must be an undergraduate student at USC in order to declare a minor.
- You must have a declared major in order to declare a minor.
- Each minor at USC requires that at least 16 units be unique to the minor and not count toward any other requirement, including GE, major, or another minor.
- All courses completed for a minor must be completed for a letter grade.
- A minimum cumulative 2.0 GPA must be achieved in the courses applied toward the minor requirements.
- Your minor will appear on your STARS report and your official transcript.
- Students who successfully complete a minor will receive a certificate upon graduation.

Specialization policies

- Specializations are available to undergraduate students, graduate students, and guests enrolled on a limited status basis.
- Undergraduate students must have a declared major in order to declare a specialization.
- All courses completed for a specialization must be completed for a letter grade.
- A minimum cumulative 2.0 GPA must be achieved in the courses applied toward the specialization requirements.
- Specializations do not appear on STARS reports or official transcripts.
- Students who successfully complete a specialization will receive a certificate upon completion.

USC Viterbi

Information Technology Program



3D Computer Graphics and Modeling



Applied Analytics



Applied Computer Security



Computer and Digital Forensics



Connected Devices and Making



Computer Programming



Innovation: The Digital Entrepreneur



Enterprise Information Systems



Mobile App Development



Video Game Design and Management



Video Game Programming



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