

Kansas State Polytechnic: College of Technology and Aviation

Web Development Technology

Overview

Web development program equips students with web design and development expertise essential for today's growing and changing technologies. Students will be immersed in a variety of courses covering user interfaces, navigation, mobile web pages, e-commerce tools, dynamic web pages, and Internet theory. You will also master client-side programming, server-side programming, video and audio streaming and database applications. There is even focus on project management techniques along with modern programming languages.

Professional options

Careers

A Web developer is responsible for creating, installing and managing a firm's web presence. Some graduates are employed by the company directly, others work for web development firms that specialize in creating web sites. The Bureau of Labor Statistics project web development employment to grow 27% by 2024 to support ecommerce and the popularity of mobile devices.

Academics

Web development technology

The Web development technology program option leads to an associate degree. Graduates will be able to set up a web server, create a web-site on the server that supports modern ecommerce and act as both developer and administrator of the site. Course work centers on the core areas of web development, computer programming, database systems and network administration. Students learn project management techniques as they use modern programming languages and other software tools to develop Web-based applications.

Students in this program can continue with the bachelor's degree option in computer systems technology or digital media technology.

Facilities

Laboratory facilities used in the computer systems technology program provide a hands-on learning environment with state-of-the-art equipment and software. Facilities include well-equipped computer laboratories containing software with which to develop programs, database systems, website content and other applications. The computer networking laboratory is devoted to realistic, hands-on experience in installing, configuring and programming networking hardware and software.

Required coursework

Web development technology, associate degree option

(62 credit hours)

Major requirements (33 credit hours)

3	CMST 103	Computing Principles
3	CMST 135	Web Fundamentals
3	DIGME 137	Fundamentals of Visual Literacy
3	CMST 180	Introduction to Database Systems
1	CMST 183	Computer Systems Studio I
1	CMST 185	Computer Systems Studio II
3	CMST 247	Programming I
3	CMST 250	Hardware and Network Fundamentals
3	CMST 252	Systems and Software Fundamentals
1	CMST 283	Computer Systems Studio III
3	CMST 315	Introduction to System Administration
3	CMST 332	Web Development Project
0	CMST 333	Computer Systems Portfolio Defense
3	CMST 335	Programming II

Other courses may be used if approved by the AETA-WD program coordinator.

Other requirements (29 credit hours)

3	COMM 106	Public Speaking I
1	EDCEP 111	University Experience
3	ENGL 100	Expository Writing I
3	ENGL 302	Technical Writing
3		Humanities/social science/business elective
3		Humanities/social science/business elective
3		Humanities/social science/business elective
3		Mathematics requirement*
4		Science elective
3		Unrestricted elective

* Choose from MATH 100, MATH 150, MATH 205 or MATH 220.

**For more information about the
computer systems technology
program, contact:**

Kansas State Polytechnic
Office of Admissions
2310 Centennial Road
Salina, KS 67401-8196
785-826-2640
polytechnic@k-state.edu

**For more information about
Kansas State University, contact:**

Kansas State Polytechnic
Office of Admissions
2310 Centennial Road
Salina, KS 67401-8196
785-826-2640
polytechnic@k-state.edu

KANSAS STATE UNIVERSITY

Notice of nondiscrimination

Kansas State University prohibits discrimination on the basis of race, color, ethnicity, national origin, sex (including sexual harassment and sexual violence), sexual orientation, gender identity, religion, age, ancestry, disability, genetic information, military status, or veteran status, in the university's programs and activities as required by applicable laws and regulations. The person designated with responsibility for coordination of compliance efforts and receipt of inquiries concerning the nondiscrimination policy is the university's Title IX Coordinator: the Director of the Office of Institutional Equity, equity@k-state.edu, 103 Edwards Hall, 1810 Kerr Drive, Kansas State University, Manhattan, Kansas 66506-4801. Telephone: 785-532-6620 | TTY or TRS: 711. The campus ADA Coordinator is the Director of Employee Relations and Engagement, who may be reached at charlott@k-state.edu or 103 Edwards Hall, 1810 Kerr Drive, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-6277 and TTY or TRS 711.

Post-Graduation Statistics
k-state.edu/postgrad-stats
ksdegreestats.org