

career fields

Many industries employ computer systems specialists, web developers, and programmers to do a variety of jobs. Some programmers employed by large companies work in large groups that support manufacturing, engineering, and research and development efforts. Others work for small businesses and manufacturers and function as the firm's sole computer resource.

Some graduates work for companies as system administrators. In this growing area of computer technology, the administrator is responsible for the installation and maintenance of the network as well as the distributed software applications.



Many industries use the web as a fullservice sales tool and a way to communicate with customers. As the web continues to be more fully integrated into the business landscape, industries will look to skilled professionals who can use the Internet to reach their target audiences and make e-commerce more customer-friendly.

about our programs

COMPUTER SYSTEMS TECHNOLOGY

Computer systems technology applies computer concepts and tools to modern business environments. It includes courses in computer programming, hardware and administration in which you assemble computers and install software, networking in which you construct computer networks and install network software, and information management in which you build and manage database systems.

WEB DEVELOPMENT TECHNOLOGY

Web development technology teaches you how to make the Internet an effective tool for business. It includes courses in web page design and construction, client-side and server-side programming, and integrating your own website with a database.



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**COMPUTER SYSTEMS/
WEB DEVELOPMENT**

engineeringtechnology



**K-STATE
AT SALINA**

why k-state at salina?

Why K-State at Salina is unique:

- Unique programs that emphasize hands-on laboratory work by the students
- “Capstone” project courses allow you to practice what you’ve learned in a real world setting.
- Geared-up hardware and software labs have the latest software development tools.
- Unique PC administration and networking lab allows you to build computers and networks
- Six full-time faculty members in touch with the demands of industry
- Every student gets to work on actual projects generated by our business and industrial partners



the courses

Associate degree, computer systems technology

(66 semester hours)

Hrs. Freshman Fall semester

3	CMST 102 Introduction to Computer Technology
3	CMST 103 Introduction to Program Design
3	MATH 100 College Algebra
3	ENGL 100 Expository Writing I
3	BUS 251 Financial Accounting
0	ETA 020 Engineering Technology Seminar

Freshman Spring semester

3	CMST 247 Java Programming I
3	CMST 130 Introduction to PC Administration
3	CMST 135 Web Page Development I
3	CMST 180 Introduction to Database Systems
2	SPCH 105 Public Speaking IA
3	BUS 252 Managerial Accounting

Sophomore Fall semester

3	Computer systems technology elective*
3	Level 2 programming language elective
3	Computer systems technology elective*
3	CMST 250 Networking I
3	ENGL 302 Technical Writing
3	Humanities/social science/business elective

Sophomore Spring semester

3	Computer systems technology elective*
3	Computer systems technology elective*
3	CMST 334 Computer Technology Project Development
3	Humanities/social science elective
4	Science elective with laboratory

*These electives are selected from areas of programming, networking, and database applications.

Associate degree, web development technology

(66 semester hours)

Hrs. Freshman Fall semester

3	MATH 100 College Algebra
3	CMST 135 Web Page Development I
3	CMST 102 Introduction to Computer Technology
3	CMST 103 Introduction to Program Design
3	ENGL 100 Expository Writing I
0	ETA 020 Engineering Technology Seminar

Freshman Spring semester

3	CMST 247 Java Programming I
3	CMST 180 Introduction to Database Systems
3	CMST 130 Introduction to PC Administration
3	CMST 155 Web Page Development II
3	CMST 137 Fundamentals of Web Design
2	SPCH 105 Public Speaking IA

Sophomore Fall semester

3	Level 2 programming language elective*
3	CMST 335 Web Programming
3	CMST 250 Networking I
3	ENGL 302 Technical Writing
3	BUS 110 Introduction to Business
3	Humanities/social science/business elective

Sophomore Spring semester

3	CMST 332 Web Development Project
3	Level 2 programming language elective*
3	ECON 110 Principles of Macroeconomics
3	Humanities/social science elective
4	Science elective/lab

Bachelor’s degree, computer systems technology

(124 semester hours)

Hrs. Junior Fall semester

3	CMST 335 Web Programming
3	CMST 370 Applied Data Structures
3	ENGL 200 Expository Writing II
2	MATH 151 Applied Plane Trigonometry
3	Business elective

Junior Spring semester

3	CMST 420 Advanced Database Systems
3	Advanced computer technology elective*
4	MATH 220 Analytic Geometry & Calculus I
3	PHILO 105 Introduction to Critical Thinking
3	Humanities/social science/business elective**

Senior Fall semester

3	Advanced Computer Technology Elective*
3	CMST 460 Systems Analysis and Design
3	STAT 325 Introduction to Statistics
3	PHILO 390 Business Ethics
3	Humanities/social science elective**

Senior Spring semester

3	CMST 462 Computer Technology Senior Project
3	Advanced computer technology elective*
4	Science elective with lab
3	Business elective**

*Advanced computer technology electives are selected from areas of programming and networking.

**Marked electives must be upper division courses, 300 and above.