

## Computer Information Systems

### Composite Major

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### Major

The Computer Information Systems major prepares students with a foundation in problem solving skills required to design and implement technology solutions to support business needs. The courses use project-based curricula that first teach the concepts of the subject matter and then require the students to apply the concepts. Students often work in teams to encourage the learning of group dynamics and soft-skills. The CSSE Department has joined in Academic Alliances with technology companies such as SAP, Microsoft, and Oracle, using these technologies to complete hands-on projects.

Students graduating with a Computer Information Systems Degree have a 100 percent in-field job placement rate for the last five years. Career opportunities are Business Analyst, Systems Analyst, Database Administrator, MIS Technician, MIS Manager, Network Administrator, Computer Security Specialist, Computer Programmer, Software Engineer, Software Implementation Consultant, IT Team Leader and IT Project Manager. Visit our page at [csse.vcsu.edu](http://csse.vcsu.edu) or watch the video at [www.code.org](http://www.code.org) (<http://www.code.org>). You don't have to be a genius, you just have to be determined. You could be the next Mark Zuckerberg (creator of Facebook) or Jack Dorsey (creator of Twitter). Let your dream become a reality at Valley City State University!

### Practical Experience

Students are encouraged to work for internship credits while completing their degree in Computer Information Systems. Companies such as Doosan, Blue Cross Blue Shield of North Dakota, Bobcat, Eide Bailly, Thomson Reuters, Cavendish, John Deere, Microsoft, Appareo Systems, NBC Universal, and Best Buy have welcomed VCSU students in their internship programs.

VCSU students develop excellent technology and soft skills and many are hired into full-time positions with these companies after graduation. In addition to internships, cooperative research projects with faculty give students first-hand experience with advanced research techniques. The undergraduate research ranges from Virtual Reality to the Internet of Things.

Students also have the opportunity to participate in activities such as company tours, workshops, fairs, and technology conferences.

*"I am very excited to be a professional web developer. With it comes the responsibility to constantly learn and improve my skills, and I strive to write better code every day." —Cy Kirsch '12, New Leipzig, N.D.; web developer, Provident Precious Metals, Carrollton, Texas*

### Plan of Study

Freshman			
Fall	Credits	Spring	Credits
ACCT 200	3	ACCT 201	3
CIS 170 (Gen Ed)	3	CIS 104	2
ENGL 110 (Gen Ed)	3	CIS 105	2
HPER 100 (Gen Ed)	2	CSCI 127	3
SE 110	3	ENGL 125 (Gen Ed)	3
UNIV 150	1	MATH 103 (Gen Ed)	3
	15		16
Second Year			
Fall	Credits	Spring	Credits
Art and Music (Gen Ed)	3	ECON 202 (Gen Ed)	3
ECON 201 (Gen Ed)	3	CIS 147	3
Elective	3	CIS 329	3
Lab Science (Gen Ed)	4	Directed Elective	3
Literacies (Gen Ed)	3	Speech Communication (Gen Ed)	3
	16		15
Third Year			
Fall	Credits	Spring	Credits
CIS 369	3	CIS 460	3
CIS 385	3	ECON 261	3
CIS 470	4	ENGL 420	3
Lab Science (Gen Ed)	4	Directed Elective	3
		MGMT 430	3
	14		15
Fourth Year			
Fall	Credits	Spring	Credits
Additional Humanities or Social Science (Gen Ed)	2	CIS 381	3
CIS 380	3	CIS 480	3
CIS 465	3	Directed Elective	3
Directed Elective	3	Elective	3
Elective	3	Elective	3
	14		15
Total Credits 120			

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.