

Marketable Skills for Computer Information Systems

Degree and Major: Bachelor of Science in Computer Information Systems

After completing the **BS in computer information systems** degree program at UT Tyler, the student can:

Soft Skills:	Hard Skills:	Unique Features of Program
<ul style="list-style-type: none"> Assist organizations in business decision making using appropriate analyses on organizational data. 	<ul style="list-style-type: none"> Demonstrate skills in procedural-oriented programming language(s) appropriate to business problems. 	<ul style="list-style-type: none"> Beyond the scope of most institutions' CIS programs, students achieve programming skills for business problem applications using current languages.
<ul style="list-style-type: none"> Apply skills to manage business projects; recognize critical paths and assign appropriate resources. 	<ul style="list-style-type: none"> Demonstrate skills in an object-oriented programming language applicable to business problems. 	<ul style="list-style-type: none"> Success coaches provide beyond-classroom assistance for lower-division course programming objectives.
<ul style="list-style-type: none"> Develop a variety of skills and knowledge essential to organizations that use ERP. 	<ul style="list-style-type: none"> Demonstrate the ability to apply the appropriate programming language to create a web-based application. 	<ul style="list-style-type: none"> Special dedicated classrooms provide a desktop computer for each student to optimally enhance direct, in-class, hands-on learning opportunities.
<ul style="list-style-type: none"> Use skills to gather information from users to modify existing systems and applications or develop new systems. 	<ul style="list-style-type: none"> Demonstrate ability to design and operate a computer network using CISCO routers and various network operating systems. 	<ul style="list-style-type: none"> Students throughout their degree program provided opportunities for hands-on experiences in specialized computing labs
<ul style="list-style-type: none"> Formulate a business security plan appropriate to stakeholder needs. 	<ul style="list-style-type: none"> Demonstrate ability to design applications, databases, and cybersecurity technologies. 	<ul style="list-style-type: none"> Multidisciplinary teamwork required in capstone projects with other (i.e. CS and IT) computing degree majors.
<ul style="list-style-type: none"> Use requisite knowledge for chosen field and ability to communicate effectively. 		<ul style="list-style-type: none"> Special topic electives provide students with contemporary knowledge and skills for current aspects of business computing.
<ul style="list-style-type: none"> Use critical thinking skills to assist organizations in business decision making using appropriate analyses on organizational data. 		<ul style="list-style-type: none"> Special career success opportunities linking students with prospective employers for jobs and internships.
<ul style="list-style-type: none"> Understand technology issues of the global enterprise including laws for transmission of data and the Internet. 		
<ul style="list-style-type: none"> Adopt the ethical use of information technology and business. 		
<ul style="list-style-type: none"> Apply skills to manage business projects; recognize critical paths and assign appropriate resources. 		