

Degree Type – Bachelor of Applied Technology (BAT)
Degree Title – Computer Information Systems Technology

Graduates from the Computer Information Systems Technology degree apply Information Technology (IT) to sustain the performance of a broad range of occupations and daily life situations by operating, configuring, and maintaining software and hardware in computing systems. Areas of application include data center operation, networking and data communications setup, database management systems maintenance, web support, and digital media assistance. Employment opportunities are extensive in the field of IT and include positions such as analyst, specialist, or operation in data centers, networking, database management systems, and IT support services.

STUDENT LEARNING OUTCOMES:

1. Students are prepared for a professional career or graduate studies in computer information technology.
2. Students are able to apply computer science principles to real-world problems.
3. Students have the skills to work effectively within an organization.

A – GENERAL EDUCATION CORE – 42 HOURS

Students must fulfill the General Education Core requirements. The courses listed below satisfy both degree requirements and General Education Core requirements.

Required

Mathematics – 3 hours

MATH 2413 Calculus I (or MATH 2487 Honors) three-hour lecture

Integrative and Experiential Learning – 3 hours

CSCI 1380 Computer Science I (or CSCI 1387 Honors)

B – AAS DEGREE IN COMPUTER RELATED FIELD – 32 HOURS

Minimum GPA of 2.5 required. AAS Degree must have at least 30 SCH of computer-related coursework. See admissions requirements for additional information.

Degree Major: _____ Date: _____
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C – COMPUTER INFORMATION SYSTEMS TECHNOLOGY CORE – 19 HOURS (15 advanced)

CSCI 2380 Computer Science II
 CSCI 3310 Discrete Data Structures
 CSCI 3326 Object Oriented Programming in JAVA
 CSCI 3340 Software Engineering II
 CSCI 4390 Senior Project
 MATH 2413 Calculus I (or MATH 2487 Honors) one-hour lecture
 MATH 3331 Applied Statistics I

D – COMPUTER SCIENCE ELECTIVES – 27 HOURS (27 advanced)

Choose 27 advanced hours of Computer Science courses.

TOTAL CREDIT HOURS FOR GRADUATION – 120 HOURS

TOTAL ADVANCED HOURS – 42 HOURS

ADMISSION, PROGRESSION, AND GRADUATION REQUIREMENTS, if applicable:

Admission requirements

AAS Degree requires a minimum GPA of 2.5, with at least 30 SCH of computer related coursework. Students may document this computer related course work with an official transcript.

Graduation requirements

1. A grade of 'C' or better in MATH 2413 (or MATH 2487 Honors) is required for graduation.
2. In addition to the graduation requirements listed in the UTRGV 2015-2017 Undergraduate Catalog, demonstration of proficiency in a language other than English is required at the undergraduate level equivalent to a minimum of six credit hours. Proficiency can be demonstrated by a college credit exam, a placement test approved through the UTRGV Department of Writing and Language Studies, and/or up to six credit hours of college-level language coursework.