Program Overview

The CIS program at UIW provides its students with a broad base of theoretical and experiential knowledge and skills that responds to the rapid changes in the field.

Graduates of the UIW CIS Program can plan, design, assemble, and operate computer systems and networks for a wide range of organizations. CIS students install, configure, program, protect, administer, and apply hardware and software systems. They also gain the types of social skills required to be successful today, including team working, decision-making, visual modeling, project management, and effective technical and non-technical communications.

Career Opportunities

Organizations need employees comfortable with computer hardware, software, and networking. As a general rule, graduates of UIW's CIS program secure interesting and frequently lucrative jobs in the San Antonio and surrounding areas. Some career opportunities include:

- Network Consultant
- Information Officer
- Director of Information Technology
- Computer Programmer
- Facilities Manager
- Computer Scientist
- Systems Analyst
- Database Administrator
- Technology Officer
- Management Information Systems
- Project Manager
- Systems Designer
- Software Publisher
- Support Specialist
- Engineer
- Web Developer

The CIS curriculum and its courses were created based upon guidance from professional IT organizations, our accrediting agency, and regional businesses. The department maintains close contact with prospective employers to ensure our courses impart the knowledge and skills employers need from their employees, future managers and leaders. The program offers unique courses such as Emerging Technologies and Virtual Environments to address the rapidly changing fields of study. Teaching from a global perspective, coursework includes foundation courses (e.g. Windows and Linux-based operating systems), and progresses to integrated courses. Students will select one of five specializations, complete an internship and a Capstone course.

Contact

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Bachelor of Science in Computer Information Systems
SCHOOL OF MEDIA AND DESIGN
2015-2017

Freshman Year: Fall	Hrs.
CIS 1301 Computer Information Systems	3
CIS 2328 Hardware & Systems Software	3
ENGL 1311 Composition I	3
1st semester of a Modern Language I	3
MATH 1304 College Algebra (or higher)	3
Total hours	15
Sophomore Year: Fall	
CIS 2350 Linux Operating Systems [pre: CIS 2340]	3
CIS 2368 Website Development I [pre: CIS 2330]	3
CIS 2335 Network+ [pre: CIS 2328]	3
PHIL 1381 Introduction to Philosophy	3
ECON 2302 Microeconomics [ECON 2301]	3
Total hours	15
Junior Year: Fall	
CIS 3319 Internship in CIS [12 hours CIS+signature]	3
1st CIS Required Specialization Course	3
1st Additional CIS Specialization Course	3
RELS (Religious Studies – check approved list)	3
DWHP 1200 Dimensions of Wellness	2
PEHP Physical Fitness course	1
Total hours	15
Senior Year: Fall	
CIS 4310 Mgt of Technology [CIS 3362]	3
CIS 4190 Seminar in CIS [15 hours CIS]	1
3rd CIS Required Specialization Course	3
Elective Course, including CIS	3
Elective Course, including CIS	3
Elective Course, including CIS	3
Total hours	16

Freshman Year: Spring	Hrs.
CIS 2340 Windows Operating Systems	3
CIS 2330 Programming Languages I	3
ENGL 1312 Composition II [pre: ENGL 1311]	3
2nd semester of the same Modern Language II	3
ECON 2301 Macroeconomics	3
Total hours	15
Sophomore Year: Spring	
CIS 3362 Systems Analysis & Design [12 hours CIS]	3
CIS 3367 Networks & Telecommunications [CIS 2335]	3
ENGL 2310 World Literature Studies [ENGL 1312]	3
HIST (History – check approved list)	3
Fine Arts (ARTS/ARTH/DANC/MUSI/THAR)	3
Total hours	15
Junior Year: Spring	
CIS 4340 Computer Systems Security [2340/2350]	3
2nd CIS Required Specialization Course	3
2nd Additional CIS Specialization Course	3
Science Course with Lab	4
Advanced PHIL or RELS course (3000+) [prerequisite]	3
Total hours	16
Senior Year: Spring	
CIS 4390 Capstone in CIS [All Required Spec. Courses]	3
Advanced (3000+) Elective Course, including CIS	3
Advanced (3000+) Elective Course, including CIS	3
Elective Course, including CIS	3
Elective Course, including CIS	1+
Total hours	13+

Core Curriculum - Total Hours	**43**	
Major - Total Hours	**58**	
Degree - Total Hours	**120**	