



COLLEGE OF ARTS AND SCIENCES

INFORMATION TECHNOLOGY & SECURITY

1-800-334-4111 • WWW.CAMPBELL.EDU

THE CAMPBELL PROGRAM

The language of computers is complex and elegant. Our goal in this major is to develop professionals in the area of information technology, security and networking who can harness the capabilities of the computer and the ever-expanding potential of the Internet.

This is one of Campbell's newest majors, re-designed for the competitive international job market and explosive demand for network administrators and homeland security information technology specialists. ITS majors must choose to concentrate in one of two areas: Information Technology Management or Information Security.

THE CAMPBELL APPROACH

The approach used throughout the Campbell ITS program is that students learn by doing; as an ITS major, you will receive valuable hands-on training.

One of our program's key strengths is class size; your initial courses in this major will have only about 20 students. Upper-level courses feature just 10 or 12 students per class. This close-knit classroom setting produces a lot of interaction and teamwork with your teachers and fellow students.

In our program, you learn valuable skills and abilities for professions that cannot be outsourced such as security, networking and key areas of computer programming. These areas include learning about hacking, data assurance and forensics; servers, switches, routers, hubs and ports; and programming for Internet and research applications.

THE CAMPBELL FACULTY

Each faculty member teaching ITS courses has at least 15 years of teaching experience. Our classroom and real-world experience allows us to understand how difficult it can be to master new material; we take the time and make the effort to ensure you get the support you need.

You will meet regularly with your advisor and quickly learn there is an excellent rapport between faculty and students within this major. In fact, students and teachers often work together outside of class in our well-equipped computer labs. Weekday tutoring sessions also offer students a chance to work with professors and other students in order to have their questions answered.

THE CAMPBELL RESOURCES

The computing resources at Campbell University allow students to develop the analytic and critical thinking skills needed to enjoy a career in information technology. All majors complete four semesters of core

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courses and then branch into one of the concentrations: Information Technology Management or Information Security. In addition, the close geographical proximity to the Raleigh-Durham Research Triangle provides a valuable opportunity for internships and career development.

Our facilities include a networking lab and multiple personal computer labs. The labs are staffed by senior students eager to help newer students. Eligibility to work as a lab assistant is contingent on a strong academic record and other factors.

The department also sponsors a very active student club, the Math/ITS Club, which coordinates beneficial professional programs as well as social activities. It allows another opportunity for our majors to spend time together and develop friendships that will last long after graduation.

THE CAMPBELL STUDENT

Most of those who enter this major have always shown interest in computers. They also appreciate the impressive job opportunities and salary that characterize this field.

Campbell students in this discipline score significantly above the 60th percentile on ACT and SAT entrance examinations and perform exceptionally well in the classroom.

Campbell graduates readily enter the job market as security specialists, network administrators, IT managers and software engineers. Recent graduates are working for Walmart Corporate, Wake Medical and Wake Tech, among others.

About a fourth of our students immediately enter graduate school, including Campbell's own MBA program.

The Campbell Advantage

If you try to picture the world without computers, you immediately see how essential they have become in our society. Campbell can help you enter this rewarding industry through our unique environment which is highlighted by...

- An experienced faculty committed to teaching you the practical skills you need for success.
- A computer lab housing excellent resources where you do not need to stand in line, unlike some larger universities.
- A dedication to a quality liberal arts education, free enterprise and our Christian Mission.

INFORMATION TECHNOLOGY AND SECURITY

Requirements for Information Technology Management Concentration (BS)

Core requirements: ITS 150, 200, 235, 250, 275, 345, 351, 410, and 465. Three of the following courses: ITS 245, 280, 360, 365, 375, 420, 430, 450, and 470. 12 credit hours in ACCT, ECON, and/or BADM at the 200 level or above.

Requirements for Information Security Concentration (BS)

Core requirements: ITS 150, 200, 250, 275, 300, 345, 351, 410, and 465. Three of the following courses: ITS 235, 310, 360, 365, 375, 425, 450, 460, and 470. 12 credit hours in CRIM at the 200 level or above.

CURRICULUM OUTLINE INFORMATION TECHNOLOGY AND SECURITY

FRESHMAN YEAR

<u>SEMESTER 1</u>			<u>SEMESTER 2</u>		
		<u>HRS</u>			<u>HRS</u>
FUND OF INFO TECH	ITS 150	3	INTERNET APPLICATIONS	ITS 200	3
ENGLISH COMP I	ENGL101	3	ENGLISH COMP II	ENGL 102	3
MATH ELECTIVE		3	MATH ELECTIVE		3
SCIENCE (W/LAB) ELECTIVE		4	SCIENCE (W/LAB) ELECTIVE		4
WESTERN CIV I	HIST 111	3	WESTERN CIV II	HIST 112	3
CU WORSHIP	CUW 100	0.5	PE ACTIVITY	PE 111	1
			CU WORSHIP	CUW 100	0.5

SOPHOMORE YEAR

<u>SEMESTER 3</u>			<u>SEMESTER 4</u>		
		<u>HRS</u>			<u>HRS</u>
ENGLISH LITERATURE	ENGL LIT	3	ENGLISH LITERATURE	ENGL LIT	3
LIFETIME WELLNESS	PE 185	2	ART/ MUSIC/THEATRE	131	3
MICRO ECONOMICS	ECO 201	3	PRIN OF ACCOUNTING I	ACC 213	3
WINDOWS OPERATING ENVR	ITS 235	3	PROGRAMMING LANGUAGE II	ITS 275	3
PROGRAMMING LANGUAGE I	ITS 250	3	ITS ELECTIVE		3
CU WORSHIP	CUW 200	0.5	CU WORSHIP	CUW 200	0.5
ELECTIVE		3	ELECTIVE		3

JUNIOR YEAR

<u>SEMESTER 5</u>			<u>SEMESTER 6</u>		
		<u>HRS</u>			<u>HRS</u>
DATABASE MANAGEMENT	ITS 345	3	SYST ANALYSIS AND DESIGN	ITS 351	3
ITS ELECTIVE		3	ITS ELECTIVE		3
PRIN OF MANAGEMENT	BADM 331	3	BADM 332 OR BADM 345		3
INTRO TO CHRISTIANITY	RELG 125	3	RELIGION ELECTIVE	RELG	3
ELECTIVE		3	ELECTIVE		3

SENIOR YEAR

<u>SEMESTER 7</u>			<u>SEMESTER 8</u>		
		<u>HRS</u>			<u>HRS</u>
NET AND TELECOMMUN	ITS 410	3	SENIOR PRO	ITS 465	3
FOREIGN LANGUAGE	201	3	SOCIAL SCIENCE ELECTIVE		3
SOCIAL SCIENCE ELECTIVE		3	ELECTIVE		3
ELECTIVE		3	ELECTIVE		3
ELECTIVE		3	ELECTIVE		3

TOTAL HOURS 130

English Comp – Students with an SAT verbal score below 450 will be enrolled in ENGL 100; 450-699 students will be enrolled in ENGL 101; 700 and above with at least a "B" average in high school students will be enrolled in ENGL 102.

English Literature – The ENGL LIT requirement may be satisfied by completing any two of the following literature courses: ENGL 201, 202, 203, 204 or 205, or with a 300-level Foreign LANG LIT.

Foreign Language – Students are required to pass a 202-level Foreign LANG.

Social Science Elective – Courses may be selected from CRIM, ECON, GEOG, POLS, HIST, PHIL, PSYC and SOCI.

Science Elective – Can be chosen from any 4-hour science courses with a lab.

Business Elective – Choose from BADM 332 or 345.

Electives – Any course may be used for an elective; however, carefully chosen electives will allow for a minor.

The major requirements outlined within this brochure are intended as a guideline, and the curriculum outlines are only a sample. The most recent copy of the University's Undergraduate Studies Bulletin is the official source related to curriculum guidelines. It is the student's responsibility to consult with his/her academic adviser.