

Major Map: Integrated Information Technology Bachelor of Science (B.S.)

Molinaroli College of Engineering and Computing Department of Integrated Information Technology

Bulletin Year: 2025-2026

This course plan is a recommended sequence for this major. Courses designated as critical (!) may have a deadline for completion and/or affect time to graduation. Please see the Program Notes section for details regarding "critical courses" for this particular Program of Study.

	rogram Notes section for details regarding "critical	Credit	Min.	Program			
!	Course Subject and Title	Hours	Grade ¹	GPA ²	Code	Prerequisites	Notes
	mester One (16 Credit Hours)			1	001/05		
	ITEC 101 Thriving in the Tech Age	3	С		CC-VSR		
	ENGL 101 Critical Reading & Composition	3	С	*	CC-CMW		
	ITEC 264 Computer Applications in Bus. I	3	С	,	PR		
	Carolina Core SCI ³	4			CC-SCI		
	Elective (U101 recommended) ⁶	3			PR/CC		
00	mantar Two (45 Credit Hours)						
Se	mester Two (15 Credit Hours) ITEC 233 Intro. to Comp. Hardware &	3	С	*	PR		
	Software	3	C		FK		
	ITEC 265 Introduction to Databases	3	С	*	PR		
	ITEC 293 Cybersecurity Operations	3	C	*	PR		
	ENGL 102 Rhetoric and Composition	3			CC-CMW/INF	C or better in ENGL 101	
	Carolina Core SCI ³	3			CC-SCI	C of better in ENGL 101	
Sa	mester Three (15-16 Credit Hours)	3			00-001		
	ITEC 245 Introduction to Networking	3	С	*	PR		
Ė	ITEC 370 Database Systems in IT	3	C	*	MR	C or better in ITEC 265	
$\overline{}$	CSCE 104 Prog. Design & Development	3-4	C	*	PR	MATH 111 or 115 (CSCE 145)	
•	or ITEC 104 Prog. Design & Dev. (cross-	0 4			1 11	W/X111 111 0/ 110 (0002 170)	
	listed MGSC 298)						
	or CSCE 145 Algorithmic Design I						
	ACCT 222 Survey of Accounting	3			PR		
	or RETL 261 Principles of Accounting I4						
	Carolina Core GFL ⁵ or Elective ⁶	3			CC-GFL/PR		
Se	mester Four (15-16 Credit Hours)						
	ITEC 242 Business Communication	3			PR	C or better in ENGL 101 & 102	
	or ENGL 462 Technical Writing						
	or ENGL 463 Business Writing						
	or MGMT 250 Prof. Communication						
	STAT 201 Elementary Statistics	3			CC-ARP	C or better in MATH 111 or higher or in STAT	
	or STAT 205 Elem. Stat. for Biol. & Life Sci.					110 or 112; or placement through the	
	or STAT 206 Elem. Statistics for Business					MAP (STAT 201); C or better in MATH 111 or	
						higher or C or better in STAT 110 or 112 or	
	ITEC 352 Software Design	3-4	С	*	PR	placement through MAP (STAT 205 & 206) C or better in CSCE/ITEC 104 (ITEC 352);	
	or CSCE 146 Algorithmic Design II	3-4				C or better in CSCE 145 or 106 or C or better in	
	O/ C3CE 140 Algorithmic Design in					MATH 111 or higher or by placement into	
						MATH 115 or higher (CSCE 146)	
	Elective ⁶	3			PR	RETL 261 (RETL 262)	
	or RETL 262 Principles of Accounting II ⁴						
	Carolina Core GFL ⁵ or Elective ⁶	3			CC-GFL/PR		
	mester Five (15 Credit Hours)						
	ITEC 301 Professional Internship Seminar	3	С	*	MR	C or better in ITEC 242, ENGL 462, ENGL 463	
	·		<u> </u>			or MGMT 250 & C or better in ITEC 370	
	ITEC 362 Introduction to Web Systems	3	С	*	MR	C or better in ITEC 101, CSCE 101 or 102	
	ITEC 445 Advanced Networking & Security	3	С	*	MR	C or better in ITEC 245	
	MATH 174 Discrete Math. for Computer	3	С		CC-ARP	C or better in MATH 112 or higher or MAP	
	Sci.					placement	
	SPCH 140 Public Communication	3			CC-CMS		
	or SPCH 145 Online Public Comm.						
	or SPCH 230 Bus. & Prof. Speaking						
	mester Six (14 Credit Hours)			J	ME	0.000 101 1750 151	
	ITEC 444 Intro. to Human Computer	3	С	_ ^	MR	C or better in either CSCE 104, ITEC 104, or	
	Interaction ITEC 447 Management of Info. Tech.	_		*	MD	CSCE 145; & C or better in ITEC 362	
		3	С	*	MR	C or better in ITEC 101 & 245	
	ITEC 493 IT Security for Managers SPTE 240 Business Law	3	С		MR PR	C or better in ITEC 445	
	or ACCT 324 Survey of Commercial Law	3			PK		
	Elective ⁶	2			PR		
	mmer After Junior Year (6 Credit Hours)				1 11		
	ITEC 495 – Professional Internship ⁷	6	С	*	MR	C or better in ITEC 301	
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Semester Seven (12 Credit Hours)					
! ITEC 560 Project Management Methods	3	С	*	MR	C or better in ITEC 264 or MGSC 290
HTMT 344 H.R. Mgmt. in HRSM	3			PR	
or MGMT 371 Principles of Management					
ECON 224 Introduction to Economics	3			PR	
Carolina Core AIU ³	3			CC-AIU	
Semester Eight (12 Credit Hours)					
ITEC 564 Capstone Project for Info.	3	С	*	MR	C or better in ITEC 362 & ITEC 560
Technology				CC-INT	
ITEC Elective8 (400 level or above)	3	С	*	MR	See Bulletin listing.
Carolina Core GSS ³	3			CC-GSS	
Carolina Core GHS ³	3			CC-GHS	

Graduation Requirements Summary

Minimum Total Hours	Minimum Major Requirements Hours	Minimum College & Program Requirements Hours	Minimum Carolina Core Hours	Minimum Institutional GPA
120	36	44	34	2.00

- 1. Regardless of individual course grades, students must maintain a minimum 2.00 cumulative GPA.
- Some colleges require a minimum GPA for major courses. Courses indicated in this column are included in the Integrated Information Technology program GPA minimum requirement of 2.00.
- 3. The Carolina Core provides the common core of knowledge, skill and academic experience for all Carolina undergraduate students.
- 4. The ITEC program requires either: ACCT 222 and an approved elective or both RETL 261 and 262.
- Students in the College of Engineering and Computing are required to demonstrate proficiency in one foreign language equivalent to the 121 course by
 1) a score of two or better on the foreign language placement test; or 2) completion of the 109 and 110 courses in FREN, GERM, LATN, or SPAN or
 completion of the 121 course in another foreign language.
- 6. The İIT curriculum includes 3-14 hours of electives, depending on how students fulfill the Carolina Core, Founding Documents, and Supporting Courses requirements. Any course in the university can be used to satisfy the elective requirement (including additional electives in the major). Although not required, UNIV 101 is a recommended elective for all students in their first semester attending University of South Carolina.
- 7. Internship coordinated by a faculty member and supervised by an approved business supervisor. Internship agreement approval by supervisor and instructor is required
- 8. ITEC Elective (3 hours): Any 3-credit ITEC course numbered 400 or above that is not used to satisfy a major or minor requirement.

Program Notes:

- Courses designated as "critical" (!) may affect time to graduation due to prerequisite requirements for subsequent required courses.
- A student cannot repeat courses from the College of Engineering and Computing in which they earned a grade of C or better. In addition, a student cannot repeat any course from the College a second time. No more than four courses from the College of Engineering and Computing may be repeated in order to satisfy the requirements for any degree from the College, regardless of satisfactory work. For this purpose, withdrawal from a course with a grade of W is not regarded as enrollment in that course. A student that does not satisfactorily complete a degree-required College course within two attempts must change major or transfer out of the College of Engineering and Computing.
- All undergraduate students must take a 3-credit course or its equivalent with a passing grade that covers the founding documents. This course may
 fulfill any requirement in the program of study. Courses that meet this requirement are listed in the academic <u>bulletin</u>.
- In order to satisfy the requirements for a degree in Integrated Information Technology and regardless of other satisfactory work, a student may not take an ITEC course more than two times. For this purpose, withdrawal from a course with a grade of **W** is not regarded as enrollment in that course.
- The last 25% of a student's degree must be completed in residence at the University, and at least half of the hours in the student's major courses and in the student's minor courses (if applicable) must be taken at the University.
- Disclaimer: Prerequisites on courses are subject to change. Please refer to Bulletin.

University Requirements: Bachelor's degree-seeking students must meet Carolina Core (general education) requirements. For more information regarding these requirements, please visit the <u>Carolina Core</u> page on the University website.

Codes:						
CC	Carolina Core	CC-INF	Carolina Core – Information Literacy			
CC-AIU	Carolina Core-Aesthetic and Interpretive Understanding	CC-INT	Carolina Core – Integrative Course			
CC-ARP	Carolina Core-Analytical Reasoning and Problem-Solving	CC-SCI	Carolina Core – Scientific Literacy			
CC-CMS	Carolina Core-Effective, Engaged, and Persuasive Communication: Spoken Component	CC-VSR	Carolina Core – Values, Ethics, and Social Responsibility			
CC-CMW	Effective, Engaged, and Persuasive Communication: Written Component	CR	College Requirement			
CC-GFL	Carolina Core-Global Citizenship and Multicultural Understanding: Foreign Language	MR	Major Requirement			
CC-GHS	Carolina Core – Historical Thinking	PR	Program Requirement			
CC-GSS	Carolina Core – Social Sciences					

Disclaimer: Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.