Central Connecticut State University

1615 Stanley Street
New Britain, Connecticut 06050-4010

Department of
Computer Electronics & Graphics Technology

Effective:

Name: _____

I.D.# _____
email: _____

Address:
_____

BS - COMPUTER ENGINEERING TECHNOLOGY

General Education

Study Area I - Arts and Humanities (9)

	Literature (I)	3
	_____	3
	_____	3

Study Area II - Social Sciences (6)

	History (I)	3
	_____	3

Study Area III - Behavioral Sciences (6)

	Anthropology or Psychology or Sociology	3
	_____	3

Study Area IV - Natural Scientific (8)

	PHYS 121 -Gen Physics I or PHYS 125-Univ Physics I	4
	PHYS 122 -Gen Physics II or PHYS 126-Univ Physics II	4

Skill Area I - Communication Skills (6)

	ENG 110 - Freshman Composition*	3
	COMM 140 -Public Speaking	3

Skill Area II - Mathematical (6-8)*

	MATH 135 Applied Engineering Calculus I or MATH 152 - calculus I (4 credits)*	3
	MATH 136 Applied Engineering Calculus II or MATH 221- Calculus II (4 credits)*	3

Skill Area III - Foreign Language

	3 sequential years of one foreign language at the high school level
	passed the foreign language exam.
	Completed 112 or 114 foreign language courses
	completed above 112 or 114 foreign language course demonstration of native proficiency in a language other than English

Skill Area IV - Univ. Requirements (2)

	PE 144 Fitness/ Wellness	2

Total General Education   43

Major Requirements

Core Requirements (27 credits)

	ENGR 150	Intro to Engineering	3
	ET 251	Appl. Engineering Mechanics I	3
	ETM 260	CAD & Int. Mfg. **OR** MFG 121	3
	CHEM161	General Chem I	3
	ET 357	Strength of Materials	3
	STAT104*	Elementary Statistics	3
	ENG 403	Technical Writing	3
	CS 213/ CS 151**	Applications of Comp.I / Computer Science I	3
	CS 214 / CS 152**	Applications of Comp, II / Computer Science II	3

Major Req. Total   27

Six credit designated "international"

met: ☐ YES   ☐ NO

First Year Experience requirement

met: ☐ YES   ☐ NO

Graduation Assessment

met: ☐ YES   ☐ NO

Electives (to complete the required 124)

1 free elective

Major Requirements (43 total credits)

F	CEGT 200	Seminar	1
F/Sp	CET 113	Intro to Information Processing	3
F	CET 201	Photonics Principles	3
F/Sp	CET 229	Computer Hardware Architecture	3
F/Sp	CET 236	Circuit Analysis	3
F/Sp	CET 249	Introduction to Networking	3
F	CET 323	Analog Circuits	3
F/Sp	CET 339	Computer System Administration	3
F/Sp	CET 349	Network Devices	3
Sp	CET 346	Signals and Systems	3
F/Sp	CET 363	Digital Circuits	3
F/Sp	CET 449	Advanced Networking	3
Sp	CET 453	Microprocessors	3
F	CET 466	Logic Design	3
F/Sp	CET 497	Senior Seminar	1
F/Sp	CET 498	Senior Project (Capstone)	2

Major Req. Total   43

Directed Electives (w/advisor) (9 credits)

	CET 301	Fiber-Optic Communications	3
	CET 479	Internet Technologies	3
	CET 459	Network Security Fundamentals	3
	CS 153**	Computer Science III	3
	ETM 356	Materials Analysis	3

Directed Elective Total   9

General Education   43

Elective   2

TOTAL CREDITS   124

Double counting Restriction - Of the courses taken in the major and minor/concentration, a total of two courses may be counted to fulfill the Study Areas portion of the general education program.

RESIDENCY REQUIREMENTS: A minimum of 45 credits at CCSU with 15 credits in the Major and 9 credits in the Minor or Concentration (total of 24 in Major).

INTERNATIONAL REQUIREMENT: Fulfill this requirement as part of Study Area I or II

NOTE: Eligibility for high honors requires the student to earn 62 credits in residence at CCSU.

*** Placement Exam required**
**** Refer to Undergraduate Catalog for Prereq.**

Bachelor of Science in Computer Engineering Technology

	FRESHMAN			SOPHMORE			JUNIOR			SENIOR	
	Fall Semester	Spring Semester		Fall Semester	Spring Semester		Fall Semester	Spring Semester		Fall Semester	Spring Semester
3 / 3	CET 113 (FYE) Info Processing	CET 229	3 / 3	CET 249	CET 349 (CET 249)	3 / 3	CET 449 (CET 349)	CET 346 (CET236; Math136/221; or Phys339)	1 / 2	CET 497 (Permission Dept Chair)	CET 498 (CET 497)
3 / 3	*ENG 110	ENGR 150	1 / 3	CEGT 200 (Preq CET 113)	ENGR 290 or ENG 403	3 / 3	CET 339 (CET 229)	CET 363 (CET 223 or 236)	3 / 3	CET 466 (CET363)	CET Directed Elective
3 / 3	MFG 121 or ETM 260	COMM 140	3 / 3	CET 201 (Math 115 or higher)	CET 236 (ENGR 150, Math 135 or 152)	3 / 3	CET 243 (CET 233 or 236)	CET 323 (CET 233 or 236)	3 / 3	CET 453 (CS213/151; CET363)	GE (SA I-III) International Recommended
2	PE 144 (skill IV)		3 / 3	**CS 151 (Math 116 or 119) or CS 213 (Math 115 or 116)	*ET 251 (ENGR 150, Phys 121/125, Math 136/152)	3 / 3	ET 357 (ET251; Phys121; Math 136/152)	GE (SA I-III)	3 / 3	CET Directed Elective	GE (SA I-III)
		*PHYS 121 (Math 121) or *PHYS 125 (Math 152)	3 / 4	*PHYS 122 (Phys 121) or PHYS 126 (Phys 125)	**CS 152 (CS 151) or CS 214 (CS 213)	3 / 3	CHEM 161 (Math 101 or placement)	GE (SA I-III)	3 / 3	GE (SA I-III)	Free Elective
3	*MATH 135 or *MATH 152	Math 136 (Math 135 or Math 221 (Math 152)	3	*STAT 104			CET Directed Elective		3 / 3	GE (SA I-III) International Recommended	GE (SA I-III)

CREDITS BY TERM

14	15	17	15	15	15	16	17

TOTAL CREDITS
124 Required. Math/CS/ and Physics courses 3 or 4 cr

General Education
May have prereq.

Major Course

CET Core

Free Elective

*Certain requirements and/or placement may apply to each course. Refer to catalog. Prerequisite indicated in ( )

**Recommended