

# Central Connecticut State University

1615 Stanley Street  
New Britain, Connecticut 06050-4010

School of Engineering, Science and Technology

Department of  
Computer Electronics & Graphics Technology

Effective:

Name/ID: \_\_\_\_\_

Address: \_\_\_\_\_

## BS Computer Engineering Technology

### General Education

#### Study Area I - Arts and Humanities (9)

<input type="checkbox"/>	Literature (I**)	3
<input type="checkbox"/>		3
<input type="checkbox"/>		3

#### Study Area II - Social Sciences (6)

<input type="checkbox"/>	History (I**)	3
<input type="checkbox"/>		3

#### Study Area III - Behavioral Sciences (6)

<input type="checkbox"/>	PSY 112 **	3
<input type="checkbox"/>		3

#### Study Area IV - Natural Scientific 8

<input type="checkbox"/>	PHYS 121-Gen Physics I or PHYS 125 - Univ Physics I	4
<input type="checkbox"/>	PHYS 122-Gen Physics II or PHYS 126 - Univ Physics II	4

#### Skill Area I - Communication Skills (6)

<input type="checkbox"/>	ENG 105 or ENG 110*	3
<input type="checkbox"/>	ENGR 290	3

#### Skill Area II - Mathematical (6 - 8)

<input type="checkbox"/>	MATH 135 - App Eng Cal I or MATH 152 Cal (4 cr)	3
<input type="checkbox"/>	MATH 136 - App Eng Cal II or MATH 221 Cal II (4 cr)	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 (2-3)

<input type="checkbox"/>	PE 144 Fitness/ Wellness	2
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**Total General Education 43**

### Major Requirements 42 Fall Sp

	Major Requirements	42	Fall	Sp
<input type="checkbox"/>	CET 201 Photonics Principles	3	x	
<input type="checkbox"/>	CET 229 Computer Hardware Applications	3	x	x
<input type="checkbox"/>	CET 236 Circuit Analysis	3	x	x
<input type="checkbox"/>	CET 243 Analog Electronics I	3	x	x
<input type="checkbox"/>	CET 249 Introduction to Networking Tech	3	x	x
<input type="checkbox"/>	CET 323 Analog Electronics II	3	x	x
<input type="checkbox"/>	CET 339 Computer System Administration	3	x	x
<input type="checkbox"/>	CET 349 Network Routing	3	x	x
<input type="checkbox"/>	CET 346 Signals & Systems	3		x
<input type="checkbox"/>	CET 363 Digital Circuits	3	x	x
<input type="checkbox"/>	CET 449 Advanced Networking	3	x	x
<input type="checkbox"/>	CET 453 Microcomputers	3	x	
<input type="checkbox"/>	CET 466 Logic Design	3	x	
<input type="checkbox"/>	CET 497 Capstone Project I	1	x	x
<input type="checkbox"/>	CET 498 Capstone Project II	2	x	x

### Related Major Requirements 28

<input type="checkbox"/>	CET 113 (FYE) Intro to Information Processing	3	x	x
<input type="checkbox"/>	CEGT 200 Seminar	1	x	x
<input type="checkbox"/>	ENGR 150 Intro to Engineering	3	x	x
<input type="checkbox"/>	ET 251 Appl. Engineering Mechanics I	3	x	x
<input type="checkbox"/>	ETM 260 or MFG 121 CAD & Int Mfg CAD	3	x	x
<input type="checkbox"/>	ET 357 Strength of Materials	3	x	x
<input type="checkbox"/>	CHEM 161 General Chemistry I	3	x	x
<input type="checkbox"/>	STAT 104 Elementary Statistics	3	x	x
<input type="checkbox"/>	CS 151** Computer Science I	3	x	x
<input type="checkbox"/>	CS 152** Computer Science II	3	x	x

### Directed Electives 9

<input type="checkbox"/>		3		
<input type="checkbox"/>		3		
<input type="checkbox"/>		3		

Free elective to meet 124 credits.

**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 30 credits at CCSU with 15 credits in the Major and 9 credits in the Minor or Concentration (total of 24 in Major).

\* **Placement Exam**

## 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 CET 113 (FYE) Info Processing	3 CET 229	3 CET 249	3 CET 349 (CET 249)	3 CET 449 (CET 349)	3 CET 346 (CET236; Math136/221; or Phys339)	1 CET 497 (CET346 and CET349)	2 CET 498 (CET 497)
3 ENG 105 or ENG 110 Skill Area I	3 ENGR 150	1 CEGT 200 (Preq CET 113)	3 ENGR 290	3 CET 339 (CET 229)	3 CET 363 (CET 223 or 236)	3 CET 466 (CET363)	3 Directed Elective
3 MFG 121 or ETM 260	3 General Ed International Recommended	3 CET 201 (Math 115 or higher)	3 CET 236 (ENGR 150, Math 135 or 152)	3 CET 243 (CET 236)	3 CET 323 (CET 243)	3 CET 453 (CS 151; CET363)	3 General Ed International Recommended
2 PE 144 (skill IV)		3 **CS 151 (Math 116 or 119)	3 *ET 251 (ENGR 150, Phys 121/125, Math 136/152)	3 ET 357 (ET251; Phys121; Math 136/152)	3 General Ed	3 Directed Elective	3 General Ed
	4 *PHYS 121 (Math 121) or *PHYS 125 (Math 152)	4 *PHYS 122 (Phys 121) or PHYS 126 (Phys 125)	3 **CS 152 (CS 151)	3 CHEM 161 (Math 101 or placement)	3 General Ed	3 General Ed	
3 *MATH 135 or *MATH 152	3 Math 136 (Math 135 or Math 221 (Math 152)	3 *STAT 104		3 Directed Elective		3 General Ed	2 Free Elective

CREDITS BY TERM

14	16	17	15	18	15	16	13
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		