

# Central Connecticut State University

1615 Stanley Street  
New Britain, Connecticut 06050-4010

Department of  
Computer Electronics & Graphics Technology

Effective: \_\_\_\_\_

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

Name: \_\_\_\_\_

I.D.# \_\_\_\_\_

email: \_\_\_\_\_

## BS - COMPUTER ENGINEERING TECHNOLOGY

### General Education

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

<input type="checkbox"/>	English Literature	3
<input type="checkbox"/>	_____	3
<input type="checkbox"/>	_____	3

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

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

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

<input type="checkbox"/>	Anthropology or Psychology or Sociology	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 110 - Freshman Composition*	3
<input type="checkbox"/>	COMM 140 -Public Speaking	3

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

<input type="checkbox"/>	MATH 135 Applied Engineering Calculus I or MATH 152 - calculus I (4 credits)*	3
<input type="checkbox"/>	MATH 136 Applied Engineering Calculus II or MATH 221- Calculus II (4 credits)*	3

#### Skill Area III - Foreign Language

<input type="checkbox"/>	3 sequential years of one foreign language at the high school level
<input type="checkbox"/>	passed the foreign language exam.
<input type="checkbox"/>	Completed 112 or 114 foreign language courses
<input type="checkbox"/>	completed above 112 or 114 foreign language course demonstration of native proficiency in a language other than English

#### Skill Area IV - Univ. Requirements (2)

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

### Major Requirements

#### Core Requirements (27 credits)

<input type="checkbox"/>	ENGR150 Intro to Engineering	3
<input type="checkbox"/>	ET 251 Appl. Engineering Mechanics I	3
<input type="checkbox"/>	ET 260 CAD & Int. Mfg. OR MFG 121	3
<input type="checkbox"/>	ETM 356 Materials Analysis	3
<input type="checkbox"/>	ET 357 Strength of Materials	3
<input type="checkbox"/>	STAT 104 Elementary Statistics*	3
<input type="checkbox"/>	ENG 403 Technical Writing	3
<input type="checkbox"/>	CS 213/ Applications of Comp.I / CS 151** Computer Science I	3
<input type="checkbox"/>	CS 214 / Applications of Comp. II / CS 152** 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 (49 total credits)

<input type="checkbox"/>	CET 113 Intro to Information Processing	3
<input type="checkbox"/>	CET 201 Photonics Principles	3
<input type="checkbox"/>	CET 229 Computer Hardware Architecture	3
<input type="checkbox"/>	CET 236 Circuit Analysis	3
<input type="checkbox"/>	CET 249 Introduction to Networking	3
<input type="checkbox"/>	CET 323 Analog Circuits	3
<input type="checkbox"/>	CET 339 Computer System Administration	3
<input type="checkbox"/>	CET 349 Network Devices	3
<input type="checkbox"/>	CET 346 Signals and Systems	3
<input type="checkbox"/>	CET 363 Digital Circuits	3
<input type="checkbox"/>	CET 449 Advanced Networking	3
<input type="checkbox"/>	CET 453 Microprocessors	3
<input type="checkbox"/>	CET 466 Logic Design	3
<input type="checkbox"/>	CET 498 Senior Project (Capstone)	3

Major Req. Total 42

#### Directed Electives (w/advisor) (9 credits)

<input type="checkbox"/>	CET 301 Fiber-Optic Communications	3
<input type="checkbox"/>	CET 479 Internet Technologies	3
<input type="checkbox"/>	CET 459 Network Security Fundamentals	3
<input type="checkbox"/>	CS 153** Computer Science III	3
<input type="checkbox"/>	other	3

Directed Elective Total 9

General Education 43

Elective 3

**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).

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

\* **Placement Exam required**

\*\*\***Math 152/221 required**

### Bachelor of Science in Computer Engineering Technology

