

# Telecommunications Engineering Technology For Catalog 129

## Freshman Year

First Semester	(Th-Pr)	Cr	Second Semester	(Th-Pr)	Cr
CHEM 107 Gen. Chem. for Engineering Students <sup>3,4</sup>	(3-3)	4	MATH 152 Engineering Mathematics II <sup>3,4</sup>	(3-2)	4
ENGL 104 Composition and Rhetoric <sup>3,4</sup>	(3-0)	3	PHYS 218 Mechanics <sup>3,4</sup>	(3-3)	4
MATH 151 Engineering Mathematics I <sup>1,3,4</sup>	(3-2)	4	University Core Curriculum electives <sup>2</sup>		6
University Core Curriculum elective <sup>2</sup>		3	KINE 199 Required Physical Activity	(0-2)	<u>1</u>
KINE 198 Health and Fitness Activity	(0-2)	<u>1</u>			<b>15</b>
		<b>15</b>			

## Sophomore Year

ENTC 210 Circuit Analysis I <sup>3,4</sup>	(3-2)	4	CPSC 206 Structured Programming in C <sup>3,4</sup>	(3-2)	4
ENTC 219 Digital Electronics <sup>3,4</sup>	(2-2)	3	ENTC 211 Circuit Analysis II <sup>4</sup>	(3-2)	4
ENTC 250 Intro. to Electronics Tech. <sup>3,4</sup>	(2-2)	3	ENTC 215 Intro. to Telecommunications <sup>4</sup>	(3-2)	4
PHYS 208 Electricity and Optics <sup>3,4</sup>	(3-3)	4	ENTC 249 Advanced Digital Electronics <sup>4</sup>	(3-2)	<u>4</u>
STAT 211 Prin. of Statistics I <sup>4</sup>	(3-0)	<u>3</u>			<b>16</b>
		<b>17</b>			

## Junior Year

COMM 203 Public Speaking	(3-0)	3	ENTC 315 Local and Metropolitan Area Networks <sup>4</sup>	(3-2)	4
ENGL 210 Scientific and Tech Writing	(3-0)	3	ENTC 355 Electromagnetics and High-Frequency Systems <sup>4</sup>	(3-2)	4
ENTC 325 Telecom Services <sup>4</sup>	(3-0)	3	ENTC 369 Software Systems Tech. <sup>4</sup>	(3-2)	4
ENTC 349 Microprocessors <sup>4</sup>	(3-2)	4	INEN 302 Econ. Analysis of Engr. Projects <sup>4</sup>	(2-0)	2
ENTC 350 Electronic Devices <sup>4</sup>	(3-2)	<u>4</u>	University Core Curriculum elective <sup>2</sup>		<u>3</u>
		<b>17</b>			<b>17</b>

## Senior Year

ENGR 482 Ethics and Engineering <sup>4</sup>	(3-0)	3	ENTC 420 Telecom Tech. Projects <sup>4</sup>	(2-4)	3
ENTC 345 Telecom Testing Tech <sup>4</sup>	(3-2)	4	ENTC 455 Transmission Systems <sup>4</sup>	(3-2)	4
ENTC 415 Digital Telephony <sup>4</sup>	(3-2)	4	ENTC 465 Private Networks <sup>4</sup>	(3-0)	3
ENTC 419 Technical Project Management <sup>4</sup>	(3-0)	3	University Core Curriculum electives <sup>2</sup>		<u>6</u>
ENTC 435 Data Communications <sup>4</sup>	(3-2)	<u>4</u>			<b>16</b>
		<b>18</b>			

**Notes:**

1. Entering students will be given a placement test in mathematics. Test results will be used in selecting the appropriate starting course which may be at a higher or lower level.
2. To be selected from the University Core Curriculum. Of the 21 hours shown, 3 must be from humanities, 3 must be from visual and performing arts, 3 from social and behavioral sciences, 6 from U.S. history, 6 from POLS 206 and 207, and 6 from international and cultural diversity. The international and cultural diversity requirement may be met by courses satisfying the visual and performing arts, social and behavioral sciences, and the political science and history requirements if they are also on the approved list of international and cultural diversity courses.
3. Common Body of Knowledge (CBK) courses required for admission to degree sequence.
4. Courses used to calculate in-major GPR. Grade of C or better is required for each of the courses.