

# College of Technology and Computer Science

Department of Technology Systems

## B.S. In Industrial Engineering Technology

Program Coordinator: Dr. Merwan Mehta, mehtam@ecu.edu, 252-328-9640

The Industrial Engineering Technology degree prepares graduates for a career in a wide range of operations and production positions. Students are taught an applications oriented curriculum that allows them to learn and practice communications, teamwork, management, problem solving, and leadership. The technical course content develops hands on skills in engineering fundamentals, materials and processes, electro mechanical systems, manufacturing process controls, quality, production planning, and product and process design. Computer based manufacturing, design, and simulation software and hardware are an integral part of the curriculum.

Please note that this is a **recommended** sequence and should only be used as a guide.

Check the catalog for prerequisites.

Course availability may vary from semester to semester.

		<b>FRESHMAN YEAR</b>			
<b>CC Equivalent</b>	<b>Fall Semester</b>		<b>CC Equivalent</b>	<b>Spring Semester</b>	
Eng 111	ENGL 1100	3	Eng 112,113, or 114	ENGL 1200	3
Psy 150	PSYC 1000	3	Hea 110	HLTH 1000	2
Mat 161	MATH 1065	3	Mat 162	MATH 1074	2
	Humanites/Fine Art	2		DESN 2034, 2035	3
CIS 110	ITEC 2000	3		IENG 2020, 2021	3,0
Ped 110	EXSS 1000	1		ITEC 2054, 2055	3,0
		<u>15</u>			<u>16</u>
<b>SOPHOMORE YEAR</b>					
	ITEC 3200	3	Phy 151	PHYS 1250,1251	3,1
Mat 263	MATH 2119	3		Social Science Elective	3
	DESN 2036, 2037	3	Com 231	COMM 2410 or 2420	3
	IENG 2076, 2077	3	Eco 251	ECON 2113	3
	ITEC 2090, 2091	3,0		ITEC 2080, 2081	3,0
		<u>15</u>			<u>16</u>
<b>JUNIOR YEAR</b>					
	IENG 3300	3,0	Che 131/131A or 151	CHEM 1020	4
	IENG 3600	3		IENG 3020, 3021	3
	PSYC 3241	3		ITEC 3300	3
Phy 152	PHYS 1260, 1261	3,1		ITEC 3800	3
	ITEC 3290	3		IENG 4092	3
		<u>16</u>			<u>16</u>
<b>SENIOR YEAR</b>					
	ITEC 3292	3		IENG 4200	3
	ITEC 4293	3		Humanities	3
	ITEC 4300	3		IENG 4023	3
	IENG 4020	3		IENG 4900	3
	Approved Elective	3		Approved Elective	3
	Humanities/Fine Art	2			<u>15</u>
		<u>17</u>			

### **Notes:**

Total hours required for the IET degree is 126 hrs. Up to 63hrs of the degree may be applied from 2 year institutions.

Seeking advisement from a Technology Systems Academic Advisor is strongly encouraged.

Revised: September 2007