

**MIDDLESEX COUNTY COLLEGE**

**ELECTRICAL ENGINEERING TECHNOLOGY DEPARTMENT**

***ENGINEERING SCIENCE***

<b>SEMESTER I</b>		<b>CREDITS</b>	<b>CLASS HOURS</b>	<b>LAB HOURS</b>
CHM 123	General Chemistry I	4	2	5
CSC 133	Introduction to Computer Science Using C++	4	3	3
ENG 121	English Composition I	3	3	0
MAT 131	Analytical Geometry and Calculus I	4	4	0
MEC 119	Graphic Science	2	1	3
	Physical Education/Health	1-3	0-3	0-2
		<b>18-20</b>	<b>13-16</b>	<b>11-13</b>
<b>SEMESTER II</b>				
CHM 124	General Chemistry II	4	2	5
ENG 122	English Composition II	3	3	0
MAT 132	Analytical Geometry and Calculus II	4	4	0
PHY 131	Analytical Physics I	4	2	4
	Social Science Elective	3	3	0
		<b>18</b>	<b>14</b>	<b>9</b>
<b>SEMESTER III</b>				
CHM 223	Organic Chemistry I	4	2	5
	<b>Or</b>			
ELT 221	Electric Circuits I	4	3	3
MAT 233	Analytical Geometry and Calculus III	4	4	0
MEC 221	Engineering Mechanics I	3	3	0
PHY 132	Analytical Physics II	4	2	4
	Humanities Elective	3	3	0
		<b>18</b>	<b>14-15</b>	<b>7-9</b>
<b>SEMESTER IV</b>				
CHM 224	Organic Chemistry II	4	2	5
	<b>Or</b>			
ELT 222	Electric Circuits II	4	3	3
	<b>Or</b>			
MEC 222	Engineering Mechanics II	3	3	0
MAT 234	Differential Equations	4	4	0
PHY 231	Analytical Physics III	4	2	4
	Social Science Elective	3	3	0
	Humanities Elective	3	3	0
		<b>17-18</b>	<b>14-15</b>	<b>7-9</b>
<b>TOTAL CREDITS:</b>		<b>71-74</b>		