

**MIDDLESEX COUNTY COLLEGE**  
**Division of Professional Studies**  
The Engineering Technologies Department

**Associate in Applied Science Degree Electrical Engineering Technology, EET. AAS**

**Sample Two-Year Course of Study**

**FRESHMAN YEAR**

<u>Semester I</u>	<u>Credits</u>	<u>Semester II</u>	<u>Credits</u>
MCT 101 Introduction Technology <sup>1</sup>	2__	MAT 131 Analytic Geometry and Calculus I <sup>5</sup>	4__
MAT 129 Precalculus <sup>2</sup>	4__	ENG 122 English Composition II <sup>6</sup>	3__
ENG 121 English Composition I <sup>3</sup>	3__	ELT 110 Electrical/Electronic Devices & Circuits <sup>7</sup>	4__
ELT 105 Foundations of Electrical & Electronics Technology <sup>4</sup>	4__	ELT 111 Digital Electronics <sup>8</sup>	3__
MEC 123 Technical Graphics/CAD I	3__	CSC 166 C++ Programming	3__
<b>Total: 16</b>		<b>Total: 17</b>	

**SENIOR YEAR**

<u>Semester III</u>	<u>Credits</u>	<u>Semester IV</u>	<u>Credits</u>
PHY 123 General Physics I <sup>9</sup>	3__	PHY 124 General Physics II <sup>12</sup>	3__
PHY 125 General Physics I Lab <sup>9</sup>	1__	PHY 126 General Physics II Lab <sup>13</sup>	1__
ELT 226 Microcomputers <sup>10</sup>	3__	ELT 223 Electronic Design & Manufacturing <sup>14</sup>	2__
ELT 210 Electronics Circuits & Systems <sup>11</sup>	4__	ELT 224 Communication Electronics <sup>15</sup>	3__
ELT 239 Digital/Data Communications & Networking <sup>10</sup>	3__	MCT 220 Robotics & Control Systems <sup>16</sup>	3__
		— — General Education Humanities or Social Science Elective (GE HUM or GE SS) <sup>17</sup>	3__
<b>Total: 14</b>		<b>Total: 15</b>	

**Total Credits Required: 62**

- 1 MAT 013 or passing score on the College's Placement Test. Co-requisites: MAT- 014.
- 2 Appropriate score on the College's Placement Test and/or satisfactory score on the Diagnostic Examination, "C" or better in MAT- 014 or departmental approval.
- 3 A passing score on the College Placement Test; or grade of "C" or better in ENG -010 and RDG-011 (RDG-011 can be a co-requisite; or a grade of "C" or better in ESL-097 or ESL-098).
- 4 MAT-013 or appropriate score on the College's Placement Test. Co-requisites: MAT- 014 or higher level.
- 5 MAT-129, or equivalent, or appropriate score on the College placement test or satisfactory score on the diagnostic examination, or departmental approval.
- 6 A grade of "C" or better in ENG-121
- 7 ELT- 105 with a grade of "C" or better. Co-requisite: MAT-129
- 8 Co-requisites: ELT- 105.
- 9 MAT-129
- 10 ELT -111
- 11 ELT- 110 Co-requisites MAT-129
- 12 PHY-123.
- 13 PHY-125
- 14 ELT -210, ELT- 226
- 15 ELT -110.
- 16 MEC- 123, MAT -129, ELT -105
- 17 Choose one course designated in the course descriptions as General Education Humanities (GE HUM), or Choose one course designated in the course descriptions as General Education Social Science (GE SS).