

MIDDLESEX COUNTY COLLEGE  
**Division of Professional Studies**

The Engineering Technologies Department

**Associate in Applied Science Degree in Civil Engineering Technology, CET. AAS**

**FRESHMAN YEAR**

<b><u>Semester I</u></b>		<b><u>Credits</u></b>	<b><u>Semester II</u></b>		<b><u>Credits</u></b>
MCT 101	Introduction to Technology <sup>1</sup>	2 ___	MAT 131	Analytic Geometry & Calculus I <sup>4</sup>	4 ___
MAT 129	Precalculus <sup>2</sup>	4 ___	ENG 122	English II <sup>5</sup>	3 ___
ENG 121	English Composition I <sup>3</sup>	3 ___	CIT 105	Statics for Technicians <sup>6</sup>	3 ___
CIT 125	Construction Estimating	2 ___	CIT 126	Advanced Civil Drawing/CAD II <sup>7</sup>	3 ___
MEC 123	Technical Graphics/CAD I	3 ___	CIT 104	Construction Surveying I <sup>8</sup>	3 ___
<b>Total:</b>		<b>14</b>	<b>Total:</b>		<b>16</b>

**SENIOR YEAR**

<b><u>Semester III</u></b>		<b><u>Credits</u></b>	<b><u>Semester IV</u></b>		<b><u>Credits</u></b>
PHY 123	General Physics I <sup>8</sup>	3 ___	PHY 124	General Physics II <sup>12</sup>	3 ___
PHY 125	General Physics I Lab <sup>8</sup>	1 ___	PHY 126	General Physics II Lab <sup>13</sup>	1 ___
CIT 203	Strength of Materials <sup>9</sup>	4 ___	CIT 212	Water Resources Technology <sup>14</sup>	4 ___
CIT 205	Construction Surveying II <sup>10</sup>	3 ___	CIT 218	Steel Design <sup>15</sup>	3 ___
CIT 216	Soil Mechanics <sup>9</sup>	4 ___	CIT 219	Reinforced Concrete Design <sup>15</sup>	3 ___
___ ___	General Education Humanities or Social Science Elective (GE HUM or Soil Mechanics <sup>11</sup> )	3 ___	CIT 260	Civil/Construction Design Project <sup>16</sup>	2 ___
<b>Total:</b>		<b>18</b>	<b>Total:</b>		<b>16</b>

**Total Credits 64**

- 1 MAT-013 or passing score on the College's Placement Test. Co-requisites: MAT-014
- 2 Appropriate score on the College 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 a 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-129, or equivalent, or appropriate score on the College placement test or satisfactory score on the diagnostic examination, or departmental approval.
- 5 A grade of "C" or better in ENG-121.
- 6 MCT-101, MAT-129.
- 7 MEC-123.
- 8 MAT-129.
- 9 CIT-105 with a grade of "C" or better.
- 10 CIT-104.
- 11 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).
- 12 PHY-123.
- 13 PHY-125.
- 14 CIT-105, MAT-129.
- 15 CIT-203.
- 16 CIT-125 Co-requisites: CIT-212, CIT-218, CIT-219.