

MIDDLESEX COUNTY COLLEGE
Division of Professional Studies
 The Engineering Technologies Department
Associate in Applied Science Degree in Civil Engineering Technology

FRESHMAN YEAR

<u>Semester I</u>	<u>Credits</u>	<u>Semester II</u>	<u>Credits</u>
MCT 101 Introduction to Technology ¹	2 ___	MAT 129B Precalculus Part B ³	2 ___
MAT 129A Precalculus Part A ²	2 ___	ENG 122 English II ⁶	3 ___
ENG 121 English Composition I ⁴	3 ___	CIT 105 Statics for Technicians ⁷	3 ___
CIT 125 Construction Estimating	2 ___	CIT 126 Advanced Civil Drawing/CAD II ⁸	3 ___
MEC 123 Technical Graphics/CAD I	3 ___	CIT 104 Construction Surveying I ⁹	3 ___
___ ___ General Education Humanities or Social Science Elective (GE HUM or GE SS)	3 ___	PED ___ Physical Ed Elective ⁵	1 ___
Total:	15	Total:	15

SENIOR YEAR

<u>Semester III</u>	<u>Credits</u>	<u>Semester IV</u>	<u>Credits</u>
MAT 131A Analytic Geometry&Calculus I Part A ¹⁰	2 ___	MAT 131B Analytic Geometry&Calculus I Part B ¹¹	2 ___
PHY 123 General Physics I ¹²	3 ___	PHY 124 General Physics II ¹⁵	3 ___
PHY 125 General Physics I Lab	1 ___	PHY 126 General Physics II Lab	1 ___
CIT 203 Strength of Materials ¹³	4 ___	CIT 212 Water Resources Technology ¹⁷	4 ___
CIT 205 Construction Surveying II ¹⁴	3 ___	CIT 218 Steel Design ¹⁶	3 ___
CIT 216 Soil Mechanics ¹³	4 ___	CIT 219 Reinforced Concrete Design ¹⁶	3 ___
Total:	17	CIT 260 Civil/Construction Design Project ¹⁸	2 ___
		Total:	18
		Total Credits	<u>65</u>

- 1 MAT 013 or passing score on the College's Placement Test. Corequisites: 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 Mat 014A and MAT 014B, or departmental approval. MAT 129 may be substituted for MAT 129 A & B
- 3 MAT 129A or Equivalent courses.
- 4 A passing score on the writing portion of the College's Placement Test or a grade of "C" or better in ENG 010; completion of RDG 009 with a "C" or better or a score on the reading portion of the College Placement Test that exempts the students from RDG 009.
- 5 Students have the option of substituting health Education Electives in place of the Physical Education Elective.
- 6 A grade of "C" or better in ENG 121 and a passing score on the reading portion of the College Placement Test or a grade of "C" or better in ENG 121 and a grade of "C" or better in RDG 011.
- 7 MCT 101, MAT 129A or MAT 129.
- 8 MEC 123
- 9 MAT 129A or MAT 129
- 10 MAT 129 or MAT 129B or appropriate score on the College Placement Test and/or satisfactory score on the Diagnostic Examination, or departmental approval. MAT 131 may be substituted for MAT 131 A & B.
- 11 MAT 131A
- 12 MAT 129 B or MAT 129.
- 13 CIT 105
- 14 CIT 104
- 15 PHY 121
- 16 CIT 203
- 17 MAT 129B or MAT 129 and CIT 105
- 18 CIT 203, CIT 205, CIT 125. Coreq: CIT 212 , CIT 217