

# B.S.in Engineering Technology

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(120 credits minimum)

## Concentration in Applied Engineering Technology

### First Year

#### 1st Semester

	<b>Credits</b>
MATH 138            General Calculus I	3
Computing Literacy GER ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/computer-science-ger/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/computer-science-ger/</a> )	3
Scientific Literacy GER with Lab ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/natural-science-ger/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/natural-science-ger/</a> )	4
ENGL 101            English Composition: Introduction to Academic Writing	3
MET 103            Engineering Graphics and Intro. to CAD or FED 101            or Fundamentals of Engineering Design	2
ET 101              Introduction to Engineering Technology	0
FYS SEM            First-Year Student Seminar	0
<b>Term Credits</b>	<b>15</b>

#### 2nd Semester

MATH 105            Elementary Probability and Statistics	3
ENGL 102            English Composition: Introduction to Writing for Research	3
Scientific Literacy GER ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/natural-science-ger/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/natural-science-ger/</a> )	3
Social Science Literacy GER ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/social-science-ger/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/social-science-ger/</a> )	3
Free Elective (100-200 level)	3
<b>Term Credits</b>	<b>15</b>

### Second Year

#### 1st Semester

Applied Engineering Technology Elective with Lab (200 level)	3
Applied Engineering Technology Elective with Lab (200 level)	3
Technical Elective (100-200 level)	3
Applied Engineering Technology Elective (200 level)	3
History and Humanities GER 200 level ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-200-level/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-200-level/</a> )	3
<b>Term Credits</b>	<b>15</b>

#### 2nd Semester

Applied Engineering Technology Elective with Lab (200 level)	3
Applied Engineering Technology Elective (200 level)	3
Technical Elective (100-200 level)	3
Applied Engineering Technology Elective (200 level)	3
Free Elective (100-200 level)	3
<b>Term Credits</b>	<b>15</b>

### Third Year

#### 1st Semester

Applied Engineering Technology Elective with Lab (300 level)	3
Applied Engineering Technology Elective with Lab (300 level)	3
Technical Elective (300 level)	3
Applied Engineering Technology Elective (300 level)	3
History and Humanities GER 300+ level ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level/</a> )	3
<b>Term Credits</b>	<b>15</b>

**2nd Semester**

Applied Engineering Technology Elective with Lab (300 level)	3
Applied Engineering Technology Elective (300 level)	3
Free Elective (300-400 level)	3
Technical Elective (300 level)	3
History and Humanities GER 300+ level ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level/</a> )	3
<b>Term Credits</b>	<b>15</b>

**Fourth Year****1st Semester**

Applied Engineering Technology Elective with Lab (400 level)	3
Applied Engineering Technology Elective with Lab (400 level)	3
Applied Engineering Technology Elective (400 level)	3
Applied Engineering Technology Elective (400 level)	3
Technical Elective (400 level)	3
<b>Term Credits</b>	<b>15</b>

**2nd Semester**

ET 450                      Multidisciplinary Capstone Project	3
Applied Engineering Technology Elective with Lab (400 level)	3
Free Elective (300-400 level)	3
Applied Engineering Technology Elective (400 level)	3
Humanities and Social Science Senior Seminar GER ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/hss-capstone/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/hss-capstone/</a> )	3
<b>Term Credits</b>	<b>15</b>
<b>Total Credits</b>	<b>120</b>