

ABET Civil Engineering

Accreditation

The New Jersey Institute of Technology program in Civil Engineering is accredited by the Engineering Accreditation Commission of ABET, www.abet.org.



CE Program Educational Objectives

The undergraduate program leads to a Bachelor of Science degree in Civil Engineering (CE), producing graduates who will, within 3-5 years:

- 1. Engineering Practice:** Graduates of our program are successfully engaged in the practice of chemical engineering within the industry, academe and government working in a wide array of technical specialties including but not limited to process and plant design operations.
- 2. Professional Growth:** Graduates of our program advance their skills through professional growth and development activities such as graduate study in engineering or complementary disciplines, and continuing education; some graduates will transition into other professional fields such as business, law, and medicine through further education.
- 3. Service:** Graduates of our program perform service to society and the engineering profession through participation in professional societies, government, civic organizations, and humanitarian endeavors.

CE Student Outcomes

Students from the CE program will attain (by the time of graduation):

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts

5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

CE Undergraduate Enrollment and Degrees Awarded

Fiscal Year	FTFTU	Transfer	Total Enrollment	Degrees Awarded
2017	70	59	605	129
2016	65	73	640	119
2015	76	70	583	125
2014	78	53	550	126
2013	74	48	551	100