

# ABET General Engineering

## **Initial Accreditation Request 2025 cycle**

The New Jersey Institute of Technology (NJIT) program in General Engineering is being presented for initial ABET accreditation to be conducted by the Engineering Accreditation Commission of ABET, [www.abet.org](http://www.abet.org), under the commission's General Criteria and Program Criteria for Engineering, General Engineering, Engineering Physics, Engineering Science, and Similarly Named Engineering Programs.



Engineering  
Accreditation  
Commission

## General Engineering Program Educational Objectives

The undergraduate program leads to a Bachelor of Science in General Engineering (GEN). GEN has the following Program Education Objectives.

Our graduates will:

1. Advance in diverse positions and career paths requiring collaboration, communication, problem solving, design, analysis, and development.
2. Use their multi-disciplinary knowledge to develop customized industry and business solutions informed by diverse global and societal needs.
3. Will continue to take advantage of opportunities for life-long learning and professional development to further their careers.

## General Engineering Student Outcomes

Students from the GEN 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.