

SAET-Biomedical & Life Sci Div (SBLD)

On November 9, 2018, NJIT launched its newest school, the School of Applied Engineering and Technology (SAET), within the university's Newark College of Engineering (NCE). SAET encompasses NCE's applied programs in four divisions: the Electrical and Mechanical Engineering Technology Division (SEMD), the Built Environment Division (SBED), the Engineering Education Division (SEED), and the Biomedical & Life Sciences Division (SBLD). SAET serves about 1,000 NJIT students. The SAET offers a Bachelor of Science (BS) in Engineering Technology with five different concentrations. In addition, SAET offers BS degrees in Construction Engineering Technology (CET), Concrete Industry Management (CIM), Electrical and Computer Engineering Technology (ECET), Industrial Engineering Technology (IET), Mechanical Engineering Technology (MET), and Surveying Engineering Technology (SET). SAET also offers a BS degree in General Engineering (GEN) with five different concentrations, a Master of Science (MS) in Engineering Science (ESC), and a doctoral degree (PhD) in ESC.

The Biomedical & Life Sciences Division (SBLD) consists of the Biomedical Engineering Technology (BMET) undergraduate plan of study. SBLD administers the BS in Engineering Technology, Concentration in Biomedical Engineering Technology (BMET) program found in the Engineering Education Division (SEED). BMET prepares students for applied careers in biomedical and life science areas. This includes medical devices, tissue engineering, patient-specific implants/technologies, medical image processing, rehabilitation technologies, and medical software development/implementation. The plans of studies are designed for students with a strong interest in translating biomedical needs to defined applications and products.

Many students choose to complete their freshman and sophomore years at a community college or a technical institute, and obtain an associate's degree in applied science from these institutions. It is strongly recommended that students talk to an academic advisor at NJIT while they are still pursuing their associate's degree. The academic advisor will explain the transfer process in detail as well as suggest elective courses that may be beneficial. Contact an advisor by calling the School of Applied Engineering and Technology at (973) 596-3228, or by email at EngineeringTechnology@njit.edu.

After being admitted to NJIT, students must meet with an academic advisor to discuss the curriculum and any special interests the student might have. Students who lack necessary courses will be assigned bridge courses to make up the required prerequisites. Generally, courses taken at the freshman and sophomore level at the community colleges cannot substitute for junior or senior NJIT engineering technology courses. Engineering technology is that part of the technological field which requires the application of scientific and engineering knowledge and methods, combined with technical skills, for the implementation and extension of existing technologies. Engineering technology education focuses on preparing engineering technologists for positions that involve product development and improvement, system development, management, manufacturing and engineering operational functions. Graduates also enter the technical sales and customer services field, or continue in graduate work in engineering or management. Placement of graduates has been excellent.

Biomedical Engineering Technology (<http://catalog.njit.edu/undergraduate/newark-college-engineering/saet-sbld/biomedical-engineering-bmet-minor/>)