TECHNOLOGY: B.P.S.

The technologist is typically a practical person who is interested in the application of theoretical principles for the achievement of practical ends. The B.P.S. in technology would be appropriate for students whose focus is on the applied technologies.

The technology professions require:

- an understanding of scientific and mathematical principles
- detailed knowledge of relevant practices and procedures whereby those principles are applied operationally

Degree programs in Technology offer students the opportunity to develop individualized degree plans based on their intellectual, professional, and personal interests. General program guidelines can be found on the "Program Details" tab, and students will work with an academic mentor to choose courses that meet the guidelines and address each student's individual interests. Students can also work with their academic mentors to identify applicable transfer credit, prior college-level learning, and possible course equivalencies. Working with a mentor and using SUNY Empire's educational planning process, students can develop their program in Technology by following the general program guidelines.

For more information about general undergraduate degree requirements, please visit Earning an Undergraduate Degree (http://catalog.esc.edu/undergraduate/earning-undergraduate-degree/).

For more information about Computer Science and Technology, please visit the Department of Computer Science and Technology web site (https://www.sunyempire.edu/computer-science-tech/).

A Note on the B.P.S.

Students should be aware that the B.P.S. is a terminal degree and may not allow movement to the next higher degree without additional course work. It is recommended that students look at the B.S. and B.A. options under the Science, Mathematics and Technology area of study as part of their research into their degree options.

Studies in technology include the theoretical foundations of the field and an emphasis on application. Depending upon the specific technology and the scientific base of that technology, degrees in technological fields should include:

- hands-on experience with processes, methods and procedures
- working knowledge of needed techniques including data acquisition and interpretation
- familiarity with established computer applications to the particular field of interest
- facility with mathematics appropriate to the field
- knowledge of relevant scientific concepts appropriate to the field
- technical communication skills appropriate to the field
- ethical reasoning and reflection on issues such as social and professional responsibilities and environmental sustainability, both locally and globally.

Currency

Degree programs must demonstrate currency in the field and show understanding of emerging and evolving technologies and environment relevant to their individual context.