

Career Opportunities

- **Artificial Intelligence:** The development of computers that simulate human learning and reasoning ability.
- **Computer Design and Engineering:** The design and manufacture of new computer circuits, microchips, and other key electronic components
- **Computer Architecture:** The design of new computer instruction sets, working to combine optical or electronic components to create faster, more cost-effective computing environments.
- **Information Technology:** The development and/or management of information systems that support industry, which can involve hardware, software, algorithms, databases, and man-machine interfaces.
- **Software Engineering:** The creation of methods for the production of software systems quicker and more efficiently.
- **Computer Theory:** The study of fundamental theories of how computers solve problems and eventual application of those findings to other areas of computer science and engineering.
- **Operating Systems and Networks:** The development and implementation of the basic software computers use to supervise themselves or communicate with other computers in a network.
- **Software Applications:** The application of computer science and engineering technology to solve problems outside the field of computer science - for example, medical or educational applications.