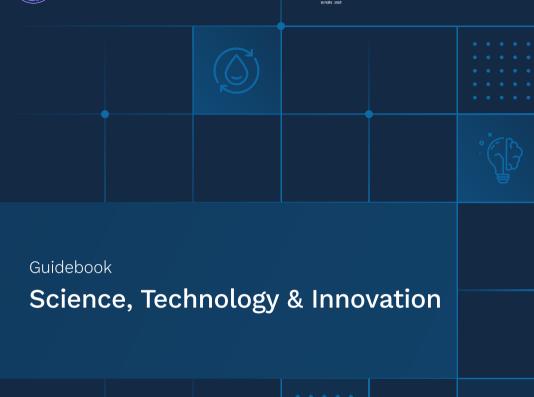




Embassy of India, Phnom Penh, Cambodia

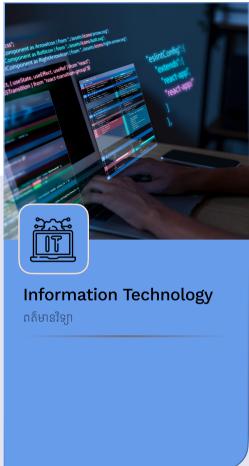






STEM MAJORS Based on the preliminary study and data collection, the description of STEM majors in this section was derived from the integration of various university curricula.





This major focuses on the design, development and improvement of operating system and machinery.

Engineers in this field use mathematics, physics, and computers to create a complete product, ranging from small to large production chains.

This major utilizes technology to assist a person or a company in managing and transmitting data.

Experts in this field work with computer systems, telecommunications networks, software, and databases. etc.





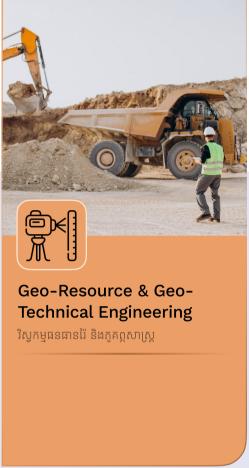
This major involves the design, the production chain development, and the maintenance of electronic systems, spare parts, and other electronic devices.

Electrical engineers work in areas such as telecommunications, medical devices, and electrical equipment.

This major focuses on the design, construct, and maintenance and repair of infrastructure including roads, bridges, buildings, and water supply systems.

Civil engineers use their mathematical, physical, and scientific knowledge of the components of a unit to study and process the construction of a construction project.





This major combine science and engineering in the study to improve the quality, safety and nutrients in food and create new products.

Food engineers are responsible for developing new approaches to food production chain, food preservation and packaging. This major focuses on the exploration, processing, and efficient use of natural resources such as minerals, water, and energy.

This specialty studies and analyses the characteristics of soil and rocks related to buildings and topography on earth.





This major focuses on the development and design of telecommunications systems, networks, and electronic equipment.

Engineers in this field work with **technologies** available on mobile phones, the Internet and wireless communication systems.

Computer Science major focuses on the study of computers and computer programs.

Engineers in this field design and develop both software and computer components to improve their capabilities and outputs.





This major focuses on the study and practice of the diagnosis, treatment and prevention of various human diseases.

Experts in this field work in hospitals, clinics, and research institutes.

Experts in this field work in the laboratory to test samples using diagnostic and therapeutic techniques.

This major covers a wide range of specialties, including **biochemistry**, **microbiology**, and **hematology**.



Animal Science and Medicine

វិទ្យាសាស្ត្រ និងវេជ្ជសាស្ត្រសត្វ



Fisheries Science

វិទ្យាសាស្ត្រជលផល

This major focuses on studying and understanding animal production and animal health.

Veterinarians diagnose, treat, and prevent animal infections as well as improve animal welfare.

This major focuses on the study of marine and freshwater resource management.

Experts in this field work to maintain sustainable fisheries and protect aquatic ecosystems.





This major focuses on the study of growth, development, and management of crops.

Experts in this field are responsible for improving the food production chain through research and development for sustainable cultivation.

This major focuses on environmental protection, including air, water, and soil.

Environmental engineers develop strategies to manage waste, prevent emissions and protect natural resources.





This major utilizes computers to develop and design robots as well as automation systems.

Engineers in this field work in the **industrial** automation.

Nursing is a profession within the health care sector focused on the care of individuals, families, and communities so they may attain, maintain, or recover optimal health and quality of life.