

Qatar Technical Secondary School for Girls: Technical Disciplines

At its inception, Qatar Technical Secondary School for Girls will offer three technical specializations to students: Laboratory Technician, Electronics and Communications and Information Technology (IT). The academic programs for the upcoming 2020/21 school year will be delivered to students joining grade 10.

Laboratory Technician

Upon graduation, girls specializing in this discipline will earn Australia's International TAFE Certificate II in laboratory sampling and measurement. They can pursue their careers as laboratory technicians in a variety of sectors, including health, environment, and industry. Additionally, they can continue their graduate studies in chemical engineering.

Laboratory technicians can be involved in a wide range of roles and responsibilities, including but not limited to:

- Conducting laboratory tests to extract reliable and accurate data to support scientific research.
- Preparing samples and recording and interpreting findings before submission.
- Installing, maintaining, and operating laboratory equipment.
- Providing complete range of laboratories equipment and ensuring sufficient resources are available.
- Using computer efficiently to calculate and make plots.
- Keeping abreast of the latest technologies to save time and improve the efficiency of search for business related topics.
- stay up to date with and implement safety measures.

Electronics and Communications

Upon graduation, girls specializing in this major will be awarded Australia's International TAFE Certificate II in electronics. They can seek jobs in a variety of relevant sectors and organizations. Also, they can continue their university studies in electronics, power, or communications engineering either locally or internationally.

Electronics and communications specialists can be involved in various roles, including:

- Operating and maintaining electronic and pneumatic devices and systems.
- Reading and drawing electronic circuits both manually and automatically.
- Getting exposed to simple and advanced electronic welding skills.
- Repairing and installing electrical and electronic installations.
- Delivering electronic boards and processing networks cables and optical fibers.
- Understanding the process of sending and receiving radio signals.
- Developing the ability to repair and troubleshoot electronic and communication devices.

Information Technology

Upon graduation, girls specializing in IT will earn the Microsoft Office Applications Specialist certification and the Microsoft Technology Associate (MTA) certification, which is intended for IT students who wish to pursue a career in network infrastructure and management. Furthermore, they can continue their graduate studies in information technology and computer engineering.

IT specialists can be involved in various roles relating to installing and configuring desktops, laptops, and core networks. Also, they can professionally use Microsoft Office applications after earning the Microsoft Office Specialist (MOS) certification. Other areas of specialization include Windows application installation, upgrade, and management, as well as computer network connection. They can also be involved in installing servers' protocols services and network security. IT graduates can also pursue their careers as network administrators, network developers, IT solutions engineers or systems engineers.