



University of Technology, Jamaica

Faculty of Education and Liberal Studies

School of Technical and Vocational Education (SoTaVE)



Industrial Technology

PROGRAMME OVERVIEW

In Year 1, students pursue general academic modules along with some specialist modules in TVET concentrations. These include Material Science and Graphic Communication (mandatory). Students are also able to do modules in construction, electrical and mechanical technology disciplines respectively. In addition, students are introduced to the Teaching profession through modules such as Foundations of Education, Adolescent Psychology for Teachers, and Becoming a Teacher.

In the ensuing years students will gain exposure to an in-depth knowledge of electrical and construction principles, building services, and manufacturing among other key areas in order to acquire deeper technological knowledge. Student-teachers are also engaged in problem-solving activities, various research-based projects, laboratory assignments, presentations, field trips etc.

Teaching Practicum of different durations which requires students to engage learners in the real setting is also a feature of the programme. Above all, the education will blend practical experiences, technical expertise, and academic rigor into a solid foundation.

PROGRAMME DETAILS

The goal of the Industrial Technology specialization is to prepare competent and professional teachers/ trainers of technical subjects for the education system, and also for the industry. Therefore, the four-year Bachelor of Education in TVET Degree programme will:

- Facilitate student-teachers' acquisition of basic qualifications in the requisite knowledge, skills and attitudes for the effective teaching of technical subjects.
- Assist student-teachers in developing awareness and understanding of the importance of technical education in national development.
- Help student-teachers conduct research, apply technical knowledge and skills in production and service in their area of specialization.
- Train student-teachers to appreciate and use technology that will enhance the learning process.

PROGRAMME DETAILS

- Prepare teachers of technical subjects who will provide quality leadership, administration and supervision of technical programmes in the TVET system.
- Provide prospective teachers with skills in curriculum planning, development, implementation, and the evaluation of technical programmes.
- Provide opportunities for student-teachers to grow in confidence as independent learners, and develop the attitudes and behavioral standards essential for good citizenship.

ENTRY REQUIREMENTS

To be considered for the B.Ed/TVET programme, with specialization in Industrial Technology, applicants should have at least

- 5 passes in CXC/CSEC including passes in English Language and Mathematics. Preferably at grades 1 and 2.
- Applicants should also have passes at CVQ or NVQJ, CSEC or CAPE 1 or 2 in the subject area one intends to teach.

Specialist Areas:

- Electrical and Electronic Technology
- Mechanical Technology
- Building Technology
- Technical Drawing

An understanding of computer applications is a plus. Shortlisted applicants will be invited for a selection interview.

ADMISSION PROCEDURES

All applicants are strongly encouraged to apply on-line to the B.Ed/TVET programme with specialization in Industrial Technology.

Applicants using this feature will **NOT** be required to pay the application processing fee of JA\$1,000 for Jamaican residents and US\$40 for non-residents.

If you are unable to apply online the non-refundable processing fee must be paid at the Accounts Department, at UTech, Jamaica, before the collection of application forms, or upon submission of application forms downloaded from the website.

SCHOLARSHIPS AND AWARDS

- A scholarship is available from the MOEYI for prospective students in 2018/19 Academic Year .

Other benefits include:

- Support for boarding where needed
- A stipend to assist with the cost of books and other supplies

Please contact the FELS office at extension 2185, or 2275 for further information.

To find out about other scholarships and awards that are available, please contact the Financial Aid/Scholarship Office at extension 2204, 2219 or 2192

CAREER PATHS

Educational Institutions (Specialist Teacher)

Community College, HEART TRUST/ NTA, High School,
Private Institutions

Companies/ Organizations

Power Plants, Processing Plants, Cement Industry, Bauxite
Industry
Telecommunication Industry, Sugar Factories

Business Ventures

Welding ,Electrical Outlets/ Stores, Furniture Design,
Architectural Drafting/ 3D Modeling, Industrial Technology
Specialist

Possible Starting Positions

- Subject Teacher
- Trainer
- Middle Manager/ Trainee Manager
- Instructor

Most of our graduates find jobs as technology-based subject teachers within high schools and lower tertiary level institutions. Some graduates teach in vocational/technical schools. Still, others find employment in business and industry

Any further queries can be addressed to the:

Programme Director

Programme Leader

Administrative Support

Faculty of Education & Liberal Studies

School of Technical and Vocational Education

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235-7 Old Hope Road, Kingston 6.

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