

Student Employment

Employment rates for ARET graduates are very high, as they fulfill technological roles as participants in professional teams involved in building, civil, and mechanical design, project construction and construction management.

Career opportunities are found with numerous professional firms, including civil, structural, mechanical and electrical engineering offices, architectural offices, surveying companies and interior design companies.

Graduates also find employment with general contractors, sub-contractors, planning departments in federal, provincial and municipal governments, crown corporations, utility companies and with resource-based, manufacturing, and product supply industries as designers and technical/sales representatives.

Some graduates have become self-employed designers, while others continue their education into architectural or engineering careers. Opportunities are also available internationally.

ARET graduates with additional work experience may progress to positions such as:

- › senior designers
- › job captains
- › specification writers
- › estimators
- › quantity surveyors
- › project administrators

Visit:
tru.ca/reqs



Admission to TRU

TRU is a unique, comprehensive university offering undergraduate and graduate degrees and two-year professional diplomas, along with certificates, trade-entry and apprenticeship training and university preparation courses.

APPLY: Applications are accepted starting October 1 of each year for programs starting in August or September the following year. Early deadline for applications is March 30 and regular deadline is April 30. Late applications will be accepted until September when classes commence, but students will only be allowed to register as space permits.

To apply online or download admissions packages visit:
www.tru.ca/reqs

To request an admission package email:
admissions@tru.ca

For your complete information package about TRU Programs, services, financial aid, athletics, campus life and the City of Kamloops email:
truinfo@tru.ca or call 250.828.5006

THOMPSON RIVERS  UNIVERSITY

For more information on this program:
Mindy Marshall – Chair
Phone: 250.371.5934 | Email: mmarshall@tru.ca

tru.ca/aret

THOMPSON RIVERS  UNIVERSITY

Architectural & Engineering Technology

Diploma | FACULTY OF SCIENCE



Prepare yourself for a career as part of the team in Building, Civil, and Mechanical project design and Construction Management.

Architectural & Engineering Technology

Diploma

“We regularly recruit from the ARET program at TRU and find the graduates to be of consistently high quality. Without exception, they possess excellent and relevant technical skills, a strong work ethic and a positive attitude. In addition, they have proven to be good team players which allows them to integrate well into a multidisciplinary setting like ours where the pace can be very demanding and client service is key.” — Theresa Foley, Urban Systems Ltd.

The ARET Program

ARET emphasizes the design process in building, civil and mechanical technologies, involving design projects for building structures, subdivisions, municipal services, highways, electrical, plumbing, lighting and HVAC (heating, ventilating and air-conditioning) systems.

Co-operative education is available to ARET students on an individual basis. Please note that co-operative education is not required for graduation.

Accreditation

ARET is accredited with the Canadian Technology Accreditation Board (CTAB) at the technologist level in the Building Architectural discipline, and includes material from Civil and Mechanical disciplines. After two years in the field, graduates can apply for ASTTBC certification which is recognized in Canada, Australia, New Zealand, United Kingdom, Ireland, Hong Kong, South Africa and the U.S.

Students take courses in:

- › architectural building design
- › building plumbing design
- › building electrical and lighting design
- › building environmental design
- › steel structure design
- › wood structure design
- › reinforced concrete design
- › civil design and surveying
- › construction management
- › construction estimating
- › computer aided design and drafting
- › support areas such as math, physics and English

Students will:

- › become proficient in the use of 2D and 3D Autodesk software
- › become proficient at customizing AutoCAD® software
- › acquire knowledge in construction management, construction contracts, specifications, estimating, building regulations, and construction surveying
- › apply foundation courses in mathematics, physics and technical writing to topics and issues across the ARET program
- › develop problem solving skills in engineering and building design
- › demonstrate knowledge acquired from the ARET program through the development and completion of an applied research project



“My association with Thompson Rivers University’s School of Architectural and Engineering Technologies has spanned more than 20 years. Our firm has hired graduate students from the program for the last 15 years or more and many have remained in our office for a considerable length of time. We currently have four former students in our office and find that they received very solid training in the programs that allowed them to become contributing members of our firm in a very short time after commencing work. We have no hesitation in recommending the program to any student who is planning a career in architectural technology.”

— Trevor J. Owen MAIBC MRIAC, Owen & Hunter Architects

