

ENERGY SYSTEMS ENGINEERING TECHNOLOGY



Hire The Best

Applying knowledge of mechanical, electrical, electronic and automation engineering to the study of energy systems, these students are prepared to undertake challenging assignments in manufacturing and chemical processing, power generation and distribution, green building design, building automation systems and HVAC design and maintenance. Students are exposed to applied research and development projects in a modern laboratory environment.

Professional Technology Year (12-month Internship)

- Cost effective staffing compared with graduates or contractors
- A full year period of employment to assess potential full time employees
- Flexible staffing without a full time commitment
- A 12-month senior student commitment allowing assignment to complex work

Some Assignments Include

- Research and development
- System design, assembly and programming
- Energy audits
- CAD drafting
- System maintenance

Student Availability



Sept. – Dec.	Jan. – Apr.	May – Aug.	Sept. – Dec.	Jan. – Apr.	May – Aug.	Sept. – Dec.	Jan. – Apr.	May – Aug.	Sept. – Dec.	Jan. – Apr.
Semester 1	Semester 2	Vacation	Semester 3	Semester 4	Vacation	Semester 5	PTY	PTY	PTY	Semester 6
Chemistry for Energy Systems Energy, Environment and Society Electric Circuits Computer Aided Drafting Technology Mathematics 2 College Communications 2	Fabrication and Installation Chemistry Applications and Climate Applied Statics Electronic Devices Technology Mathematics 3 Global Citizenship: From Social Analysis to Social Action		Digital & Power Electronics Boilers & Auxiliaries Renewable Energy System Mechanics and Materials Differential Calculus with Analytic Geometry Technology, Society, Ethics and Environment	Fluid Mechanics & Dynamics Wind and Solar Energy Power Engineering and HVAC Pneumatic/ PLC Integral Calculus General Education Elective		Power Generation 1 Energy Auditing & Management Motion Controls and Network Refrigeration and HVAC Micro-controllers Thermodynamics 1 Employment Preplacement	Professional Technology Year (PTY)	Professional Technology Year (PTY)	Professional Technology Year (PTY)	Power Generation 2 Distributed Generation and Transmission Technical Elective Building Automation Systems Final Project Energy Systems Engineering Thermodynamics

