



ASSOCIATES DEGREE

Applied Sciences – Electric Power Systems

APT's Associates Degree in Electric Power Systems program is based on objectives that are valuable to the industry, the employer and the student. This program incorporates strategically designed curriculum to maximize the benefits of distance learning with instructor-led education. Simulators and lab coursework enhance practical learning.

This AS degree program requires a minimum of 60 units to complete. The curriculum consists of core courses (20 units), elective courses (22 units) and general education courses (18 units). Subject to review, students may apply work experience, transfer credits and CLEP (College Level Examination Program) testing toward degree requirements. Students may also apply previous *APT* course credits towards this degree.

APT has provided high quality electric power systems training since 1993. *APT* is accredited by the U.S. Department of Education, Distance Education and Training Council (DETC), approved by the International Association of Continuing Education Training (IACET) and by the North American Electric Reliability Corporation (NERC) as a CEH provider.

APT's Program Advantages

- Learning outcomes target industry needs!
- Upward mobility to higher-level degree programs!
- Foundation for advanced studies
- State-of-the-art curriculum that is always updated
- No prerequisite entrance exam!
- NERC Continuing Education Hours
- Previous *APT* course credits may apply
- Credit for work experience
- Recognition of Transfer Credits
- Recognition of CLEP testing
- Highly experienced/educated expert instructors
- *APT* offers flexibility, specialization, & marketability

Program Courses

CORE (20 units)

- PWR100 Electric Power Systems Operations (4)
- PWR102 DC & AC Circuits with Print Reading (4)
- PWR104 Power Plants (4)
- PWR105 Substations (4)
- PWR115 Distribution Systems (4)

ELECTIVES (22 units minimum)

- PWR106 Transmission Lines (4)
- PWR110 Industrial Safety and Grounding (4)
- PWR120 Electric Metering (4)
- PWR125 Advanced Metering (4)
- PWR130 System Protection (4)
- PWR135 Energy Management and SCADA (4)
- PWR200 Power System Planning, Reliability and Security (4)
- PWR205 Generation & Interconnected Systems Operations (4)
- PWR230 Emergency Operations and Restoration (4)
- PWR240 Telecommunications for Electric Utilities (4)
- PWR250 High Voltage Protection for Telecommunications (4)
- PWR270 Solar Photovoltaic Systems (4)
- PWR272 Adv Solar PV-Thermal Industrial Commercial & Grid Systems (4)
- PWR275 Wind Power Systems (4)
- EXP280 Independent Study (3)
- EXP290 Internship (3)

GENERAL EDUCATION (18 units minimum)

Available from APT or partnership institutions.

- English Composition (3 units)
- Communications/Analytical Thinking (3 units)
- Natural Sciences (Life or Physical) (3 units)
- Humanities (3 units)
- Social Sciences (3 units)
- May require extra course chosen from above (3 units)

For more information

Call: (800) 431-8488

Visit: www.aptc.edu

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