

Associate Degrees

Program	Campus Locations	Course of Description	Mass communications Journalism	Delaware, Shenango Valley	Broaden student's skills, understandings, and interests; help him become more responsible and productive; offer a degree program with sufficient electives to permit specialization according to the student's interests or career plans.
Agricultural business	Altoona, Berks (first year only) University Park (second year only)	Prepares students for commercial farming and businesses which serve agriculture.	Broadcasting	Delaware, Wilkes-Barre	Develop skills in mass communications to prepare for work in areas related to journalism.
Air pollution control engineering	Berks	Air pollution technicians, working for a local, state, or federal agency.	Materials technology	Beaver	Positions in materials-oriented industries involved in the exploration and extraction of minerals and fuels, work in research laboratories, or as foremen, and supervisors.
Business	Beaver, Behrend, Berks, Delaware, DuBois, Fayette, Hazleton, New Kensington, Shenango Valley, Wilkes-Barre, Scranton	Employment in industry and business at a level of responsibility higher than that assigned to high school graduates.	Mechanical engineering technology	all campuses	Employment in machine design, tool and dye design, or structural layout.
Chemical engineering	Berks, Hazleton, McKeesport	Positions as assistants to chemists and chemical engineers, assistants in research and control laboratories and trainees for supervisory jobs in manufacturing and production.	Mining technology	Fayette	Positions in mining industry leading to management-oriented and engineer-oriented careers.
Computer science	Beaver, Fayette, New Kensington, Schuylkill, Scranton, York	Employment as a computer programmer.	Nuclear engineering technology	Altoona	Designed to provide technically trained personnel to support nuclear industry between the levels of high school graduate and professional engineer.
Electrical engineering technology	Altoona, Beaver, Behrend, Berks, Delaware, DuBois, Fayette, Hazleton, Mont Alto, New Kensington, Ogontz, Schuylkill, Shenango Valley, Wilkes-Barre, Scranton, York	Service with electrical utilities, manufacturers of electrical and electronic equipment, and electrical maintenance and instrument departments of industrial concerns.	Recreation and parks	New Kensington, Ogontz	Leadership roles with recreation program participants, organize and lead recreation activities.
Forest technology	McKeesport	Techniques basic to planning, organizing, directing and managing forestry enterprises.	Retailing	Altoona	Trains for positions in retail stores.
Highway engineering technology	Wilkes-Barre	Planning and design tasks necessary in the construction of highways, railroads, bridges, etc.	Surveying technology	McKeesport, Wilkes-Barre	A knowledge of the elements of surveying as applied to construction, land, topographic, geodetic city, and photogrammetric surveys, and to develop trained personnel.
Hotel and food services Hospitality administration	Berks	Executive positions in hospitality industry.	Wildlife technology	DuBois	Prepare students in the techniques of wildlife management; support professionals in wildlife biology, park managers, game managers, etc.
Health facilities food Service administration	York	Executive positions in health facilities.			

Associate programs offer 2-year option

By COLEEN BURRITT
Collegian Staff Writer

For students who cannot afford four years of college or do not want to study that long, the University's associate degree program offers a two-year option.

Twenty-two associate degree majors now are being offered at 17 Commonwealth Campuses. One major, agricultural business, is offered at University Park. Samuel W. Haggarty, assistant director of freshman admissions and head of the associate degree program, said associate degree enrollment for Fall Term is expected to reach 1700.

The two-year program provides concentrated instruction to prepare graduates for specialized work in business and industry or to give students a basic two-year education.

"It also gives many students the opportunity to live right at home and go to local campuses," Haggarty said.

Not all degrees are offered at every campus, however. Haggarty said this is true because "most of them are specialized programs requiring specialized equipment" that cannot be

provided at every campus. Admission requirements, grading and tuition are the same as for students pursuing a baccalaureate degree.

Requirements for graduation include 64 credits for most majors. All associate degree programs require completion of three credits each in social sciences, arts and humanities, English, speech, and general education electives. Six credits in the physical sciences, biological science or mathematics also are required.

Haggarty said two of the most popular programs are wildlife technology and forest technology. "In these two majors, we get more applicants than there is space for," he said.

Most of the enrollment is concentrated in engineering technology majors.

The engineering technology graduate is "a specialist in applied engineering, equipped to translate creative ideas into new machines, products, structures and processes."

Besides preparing himself for employment in this field, he also may qualify for a baccalaureate degree program in engineering

technology at the Capitol Campus.

New programs scheduled to start Fall Term include architectural engineering technology, aerospace technology and a new health and food services option with major emphasis on health facilities.

Many of the associate degree majors have practical or field experience requirements.

Forest technology, for example, has a Summer Term field practice. Retailing has a practicum which includes supervised store experience.

Three majors — air pollution control, engineering technology and nuclear engineering technology — require that the sixth term be completed at University Park.

Mechanical engineering technology and manufacturing engineering technology each have a summer term, scheduled at University Park.

Haggarty said most required courses are not transferable to the baccalaureate degree. However, a student in the letters, arts, and sciences program may transfer his full credit toward a four-year baccalaureate program.

Collegian Classified Ads

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Troops plan attack

PHNOM PENH (AP) — Cambodia's chief military spokesman says up to 30,000 insurgent troops are massed around Phnom Penh preparing for an attack, but he expresses confidence government forces won't balk.

The spokesman, Col. Am Rong, said yesterday that American air strikes had caused heavy rebel losses and that the front lines were stable. He said most of the insurgents were concentrated along the Prek Thnot River, due south of Phnom Penh. The area has seen heavy fighting for more than a month.

The population of Phnom Penh has swollen from 500,000 to 1.5 million because of the

influx of refugees.

According to intelligence reports, Khmer Rouge rebels have denuded almost every other front in order to bolster their strength around Phnom Penh.

Despite the U.S. bombing halt in Cambodia scheduled for Aug. 15, Am Rong said it was believed the rebels would be capable of no more than harassing attacks against the capital such as he rocket and cannon barrage Wednesday that killed more than 20 civilians and wounded nearly 100.

His confidence was shared by few military experts in the capital who give the fighting performance of government forces a low rating.

Centre Citizens Council seeks more suit funding

Centre Citizens Council is trying to raise enough money to bring to court its fight to halt construction of the middle section of the State College By-Pass.

Several council members, including President Sue Smith, met with attorney Robert Sugarman yesterday in Harrisburg to discuss finances and the injunction the group hopes to file.

"We are in the process of getting him (Sugarman) evidence to prepare the complaint," Smith said yesterday.

No definite date has been set for filing the injunction.

Smith said that depends on how long it takes to gather the evidence.

Centre Citizens has raised about \$3,000 so far and needs an additional \$2,000 for the suit.

In becoming a non-profit corporation, Smith said, the group "is appealing to anyone interested in the environment."

Centre Citizens contends the modifications PennDOT has made in the original design "do not go far enough."

According to a letter distributed by the council, "The highway is still designed to 70 m.p.h. in-

terstate standards with 60-foot median strips. It still would be built up on 40-foot high dikes across the Benner Pike. It still includes the needless and nonsensical trumpet interchange at the Benner Pike. And the University interchange near the hospital (Centre Community) would still dump traffic onto Park Avenue and Shortlidge Road, where additional traffic would be intolerable."

Despite Centre Citizen's objections, PennDOT now is in the process of acquiring land to complete the by-pass and expects to begin construction in about a year.

Recycle Yourself

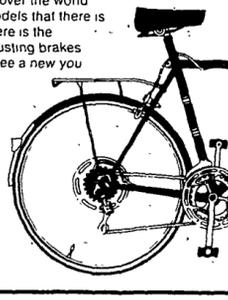
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