

OHIO BOARD OF REGENTS

Agenda Item 6.1(a) Sinclair Community College, Associate of Applied Science degree in Aviation Technology

Agenda Item 6.1(b) Sinclair Community College, Associate of Applied Science degree in Environmental Engineering Technology

RESOLUTION

BE IT RESOLVED: upon the recommendation of the Chancellor and with the concurrence of the Initiatives Committee of the Ohio Board of Regents that the following new degree program be approved:

Sinclair Community College

Associate of Applied Science degree in Aviation Technology
Associate of Applied Science degree in Environmental Technology

BACKGROUND

SINCLAIR COMMUNITY COLLEGE

Associate Degree Program in Aviation Technology

Sinclair Community College is proposing a new aviation technology program leading to an Associate of Applied Science Degree in Aviation Technology. The purpose of the proposed Aviation Technology Degree Program, developed in collaboration with the Dayton Area Chamber of Commerce and the Miami Valley Career Technology Center, is to prepare graduates for career opportunities in the growing aviation industry.

The curriculum has been developed with the recognition that career success in the aviation industry requires both technical skills and a well rounded understanding of the industry and its operation. Students will be prepared to successfully obtain employment opportunities in a growing aviation industry. Graduates may choose to continue on towards a four year degree in Aerospace Engineering Technology or Aviation Science or obtain employment in positions such as Aviation Technician, Maintenance Scheduler, Aviation Sales, Cargo Operations Manager, or Flight Scheduler.

The program includes a technical major that provides the course and lab experience required by the Federal Aviation Administration that leads to a career as a professional pilot. FAA certifications that can be acquired include Ground school/primary flight, Primary Flight, Navigation Science II, Instrument Flight Training, and Commercial Flight Operations. Sinclair will provide ground schools, test facilities, trainer time (ground based flight training), and coordination with the Federal Aviation Administration.

BACKGROUND

SINCLAIR COMMUNITY COLLEGE

Associate Degree Program in Environmental Engineering Technology

The Associate Degree Program in Environmental Engineering Technology provides a full range of courses to prepare students for entry-level positions in the environmental engineering technology field. The curriculum addresses such areas as environmental laws and regulations, site assessments, emergency response to situations involving hazardous chemicals and wastes, storage, treatment, transportation and disposal of hazardous wastes, sampling and analysis and remediation. Students acquire the skills and knowledge for environmental and engineering technician positions in consulting, industrial and governmental organizations.

Environmental technology is a career field that utilizes the principles of science, engineering, communication, and economics to protect and enhance safety, health, and natural resources. As trained environmental technicians they will be prepared to apply scientific, technical, and communication skills and knowledge to specific tasks in occupation categories that include pollution prevention, air quality, laboratory services, remediation, safety and health, and hazardous waste.

The need for environmental technicians is driven in part by Ohio's need to address a number of environmental issues. Occupation projections for the Miami Valley and Ohio confirm growth in opportunities in this field. Sinclair Community College has worked collaboratively with local high schools to develop an environmental career pathway that will prepare students for career opportunities.