

**New Program Proposal  
Associate in Industrial Technology,  
Major in Industrial Maintenance Technology  
Aiken Technical College**

**Summary**

Aiken Technical College requests approval to offer a program leading to the Associate in Industrial Technology degree with a major in Industrial Maintenance Technology to be implemented in Fall 2005.

The program was approved by the State Technical and College System Board at its meeting on July 12, 2004. It was submitted for Commission review on November 1, 2004, and reviewed and voted upon favorably by the Advisory Committee on Academic Programs (ACAP) at its meeting on January 20, 2005. There were no substantive comments or questions about the program at the meeting.

The purpose of the program is to prepare students to meet the need for industrial maintenance personnel in the Aiken area. The graduates of the program will be skilled in the installation, calibration, and repair of industrial machinery. The program will replace the existing Associate of Occupational Technology (AOT) with a specialty in maintenance. According to the proposal, enrollment in this specialty has grown large enough to justify the new major. An Employment Needs Survey indicates that there will be 165 maintenance technician positions available in the Aiken area in the next three years, far more than the program can provide.

According to the proposal, the current catalog of courses required for the existing AOT degree is sufficient to support the program and there will be no new courses added. The curriculum will consist of a total of 73 credit hours, 12 of which are core courses for the Associate's degree and 61 of which support the major.

Greenville Technical College offers the same major and had placement rates of 94% and 100% in 2002 and 2003. York Technical College was approved to offer the major beginning Fall 2004, and has no graduates to date.

The program will require no new faculty members. It will use three instructors currently employed at the institution as well as the existing administrative structure.

Enrollment in the proposed program is estimated to begin at 45 headcount (48 FTE) in Fall 2004 and increase to 55 headcount (54.7 FTE) in Fall 2007. This is based on current enrollment in the existing General Technology program.

There is no accrediting body for industrial maintenance programs, and licensure or certification is not required for employment.

The existing physical plant is adequate to support the program. No new facilities or equipment are required. The Aiken Technical College Library, housed in the Dale Phelon Information Technology Center, currently contains 1500 volumes related to the Industrial Maintenance major. According to the proposal, the library's overall holdings do not meet ACRL standards. The institution has addressed these shortcomings in its budgeting process, which includes campus-wide efforts to eliminate deficiencies in library holdings. The proposal states that funds to increase relevant holdings have been committed for the existing AOT program and that the new major will not require additional funds for library resources.

Shown below are the estimated Mission Resource Requirement (MRR) costs to the state. There are no new costs associated with implementation of the proposed program for its first five years, as it will replace the existing AOT program, and existing faculty, courses, facilities, and library holdings will be used. Also shown are the estimated revenues projected under the MRR and the Resource Allocation Plan as well as student tuition.

Year	Estimated MRR Cost for Proposed Program	Extraordinary (Non-MRR) Costs for Proposed Program	Total Costs	State Appropriation	Tuition	Total Revenue
Year 1	\$598,693		<b>\$598,693</b>	\$0	\$160,420	<b>\$160,420</b>
Year 2	\$637,208		<b>\$637,208</b>	149,120	\$171,140	<b>\$320,260</b>
Year 3	\$694,027		<b>\$694,027</b>	158,709	\$186,490	<b>\$345,199</b>

These data demonstrate that if this were a new program and if Aiken Technical College can meet the projected student enrollments and contain costs as they are shown in the proposal, the program will not be able to cover costs with revenues it generates by the third year of its implementation.

In summary, Aiken Technical College is proposing to replace the existing program leading to the degree in AOT, General Technology (Maintenance) with a program leading to the Associate in Industrial Technology degree with a major in Industrial Maintenance

Technology. There are no new costs associated with the program because existing faculty, courses, facilities, and library holdings will be used.

**Recommendation**

The Committee on Academic Affairs and Licensing recommends that the Commission approve the program at Aiken Technical College leading to the Associate in Industrial Technology degree with a major in Industrial Maintenance Technology for implementation in Fall 2005, provided that no “unique cost” or other special state funding be required or requested.