

**New Program Proposal
Associate in Engineering Technology
Major in Construction Management Technology
Horry-Georgetown Technical College
Conway Campus**

Summary

Horry-Georgetown Technical College requests approval to offer a program leading to the Associate in Engineering Technology degree with a major in Construction Management Technology, to be implemented in Fall 2005 at the Conway Campus.

The proposal was submitted for Commission review on January 21, 2005. The Board of the State Technical College System approved the proposal on January 25, 2005. The proposal was reviewed without substantive comment and voted upon favorably by the Advisory Committee on Academic Programs at its meeting on March 7, 2005.

The purpose of the program is to prepare graduates to work in the construction field with emphasis on construction site supervision and construction project management. The need for the program is based on demand by employers in the construction industry in the Grand Strand area. The college has been contacted by employers about shortages in construction site supervisors, and they urged the college to prepare a program to meet the area's needs for these workers. According to the proposal, the college's service area is one of the fastest growing in the state, with a projected growth of 40% from 1995 to the end of 2005. The addition of new highway access to the area is expected to add to this growth. This growth, and continued growth and related construction in the state as a whole, will require trained construction supervisors to oversee the necessary construction. Horry-Georgetown Technical College conducted an Employment Needs Assessment that indicated that 70% of respondents expect to add construction management personnel within the next three years, with a total of 252 full-time positions becoming available. Of these, 203 will be new positions.

The curriculum consists of 67 credit hours. Of these, three credits each are in English Composition, Algebra, Psychology, Conversational Spanish, and Public Speaking. The remaining 52 credits are in subjects related to the major area. The college will ask that one new course be added to the Technical College System's Catalogue of Approved Courses. In addition, it will add six new courses already in the catalogue. The curriculum design was guided by the DACUM (Designing A Curriculum) process and

had strong input from the local construction industry. The proposed major of Construction Management Technology is the first of its kind in the state, although Florence Tech, Northeastern Tech, Piedmont Tech, Tech College of the Lowcountry, Williamsburg Tech, Midlands Tech, Trident Tech and Greenville Tech offer degrees related to building construction technology. According to the proposal, none of these programs has the emphasis on site supervision and management that is central to the proposed program. The proposed program is primarily intended as a terminal degree program. Horry-Georgetown does intend to seek articulation agreements with appropriate senior institutions for those students who may want to continue on to a baccalaureate degree in a related field.

The proposal from Horry-Georgetown Technical College indicates that one new full-time faculty member and one new part-time faculty member will be hired in the first year of the program. Both positions will require work experience in the field and a Masters of Science degree in a related discipline. Teaching experience will be preferred.

Enrollment in the proposed program is estimated to begin at 27 headcount (25.2 FTE) in FY 2005-06 and increase to 45 headcount (42.2 FTE) by FY 2006 and thereafter. Estimates of enrollment in the first year are based on the number of students anticipated as a result of local demand and student interest. In the second year and thereafter, the estimated enrollments are based upon local demand, student interest, and anticipated attrition of first-year students at the rate of approximately 33%. If enrollment projections are met, the program will meet the current CHE program productivity standards for enrollment.

The proposed program indicates that the program is subject to accreditation. The institution will seek candidate status from the American Council for Construction Education (ACCE) in the second year of program implementation and expects to receive full accreditation in the fourth year.

According to the proposal, the existing facilities on the Conway Campus are sufficient to support the program. As the number of students increases, the transfer of the Allied Health programs to the Grand Strand Campus will free enough space for expansion. There will be some additional costs for equipment and software, totaling \$7200 over the first three years. The library will require a substantial increase in the number of serial holdings, books, and AV material. To that end, the proposal budgets a total of \$17,350 over the first three years. New costs for the program are estimated to begin at \$96,750 in year one and include faculty salaries/fringe benefits (\$75,900), equipment (\$7,200), supplies/materials (\$6,000), and library resources (\$7,650). Costs are estimated to be \$107,307 in the second year and \$112,607 in the third year. Accreditation costs include \$500 in the second year and \$4,200 in the third. Total new costs for the first three years of the program are estimated at \$316,664.

Shown below are the estimated Mission Resource Requirement (MRR) costs to the state and new costs not funded by the MRR associated with implementation of the proposed program for its first three years. 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	\$120,950		\$120,950	\$0	\$69,242	\$69,242
Year 2	\$184,608		\$184,608	29,905	\$105,539	\$135,445
Year 3	\$184,608		\$184,608	45,698	\$105,539	\$151,237

These data demonstrate that if Horry-Georgetown 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 new costs with revenues it generates by the third year of its implementation.

In summary, Horry-Georgetown Technical College requests approval to offer a program leading to the Associate in Engineering Technology degree with a major in Construction Management Technology, to be implemented in Fall 2005 at the Conway Campus. The development of the program is driven by requests from local construction business and projected population and construction growth in the college's service area. The program is focused on supplying local needs for construction supervisors and is not duplicated in the area or the state.

Recommendation

The Committee on Academic Affairs and Licensing recommends that the Commission approve Horry-Georgetown Technical College's proposed program leading to the Associate in Engineering Technology degree with a major in Construction Management Technology to be implemented in Fall 2005 at the Conway Campus, provided that no "unique cost" or other special State funding be required or requested.