Florida Gulf Coast University Board of Trustees
June 21, 2005

SUBJECT: New Degree Proposal: Bachelor of Science in Environmental Engineering (B.S.Env.E)

PROPOSED BOARD ACTION
Approve new Bachelor of Science in Environmental Engineering.

BACKGROUND INFORMATION
FGCU is requesting permission to offer a Bachelor of Science in Environmental Engineering as described in the Executive Summary.

Supporting Documentation Included: (1) Memo from Provost, and (2) Executive Summary of Degree Program

Legal Review by: N/A

Prepared by: Cathy Duff, Director of Program Development, Curriculum, and Accreditation

Submitted by: Provost Bonnie Yegidis
May 20, 2005

MEMORANDUM

TO: Trustee Larry Hart, Chair
Academic/Student/Faculty Affairs Committee
FGCU Board of Trustees

FROM: Bonnie L. Vassiliadis
Provost and Vice President for Academic Affairs

SUBJECT: Bachelor of Science in Environmental Engineering (B.S.Env.E)

The School of Engineering is proposing the addition of a Bachelor of Science in Environmental Engineering. A primary goal of the program is to prepare students for employment in environmental engineering positions in Southwest Florida, with particular emphasis on technologies needed to solve problems related to water and soil pollution, and to prepare students to be successful when taking the Fundamentals of Engineering Exam, the first step towards professional licensure as an environmental engineer.

The proposed baccalaureate degree program is consistent with the criteria for new degree authorization adopted by the Board of Governors on April 30, 2003. The program will be 128 semester credit hours in length, and approval will be sought from the Board of Governors for exception to the 120 credit hour limit for baccalaureate degree programs. The additional credit hours are necessary to meet common course prerequisites for environmental engineering programs and the criteria needed to achieve accreditation by the Accreditation Board for Engineering and Technology (ABET). The university-wide Undergraduate Curriculum Team has approved the program.

Three new faculty will be hired to meet the needs of the B.S.Env.E program as well as to help with the needs of the other engineering degree programs through common engineering courses and with the needs of the B.S. in Civil Engineering in terms of courses in environmental engineering and water resources. Approximately $31,600 will be needed initially with $86,600 needed annually to support library resource requirements for all three undergraduate engineering programs.

Graduates of the B.S.Env.E program will directly contribute to the economic growth, environmental sustainability, and cultural richness of Southwest Florida while making significant contributions to research and service. I recommend approval of the proposed program.
FLORIDA GULF COAST UNIVERSITY

Executive Summary
New Program Proposal

Degree: Bachelor of Science in Environmental Engineering (B.S.Env.E.)

Major: Environmental Engineering

College: Business

School: Engineering

Anticipated Implementation Date: Fall 2005

Suggested CIP: 14.1401

Program Description:

The proposed Bachelor of Science in Environmental Engineering (B.S.Env.E.) focuses on both natural and human-designed environments. This program provides students with knowledge for leadership in sustaining our world, with particular emphasis on technologies needed to solve problems related to water and soil pollution.

The proposed curriculum requires a total of 128 credit hours and prepares students to be successful when taking the Fundamentals of Engineering Exam, the first step towards professional licensure in environmental engineering. During the first 51 credit hours, students complete general education and common prerequisites. The curriculum also includes 71 credit hours of coursework in the major, a senior seminar, and the University Colloquium.

Within the context of environmental engineering, the undergraduate curriculum, courses, organizations, and activities prepare graduates to:

- Apply knowledge of mathematics, science, and engineering,
- Design and conduct experiments, as well as to analyze and interpret data,
- Design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability,
- Function on multi-disciplinary teams,
- Identify, formulate, and solve engineering problems,
- Understand professional practices and ethical responsibility,
- Communicate effectively,
- Understand the impact of engineering solutions in a global, economic,
environmental, and societal context,

- Recognize the need for and have the ability to engage in life-long learning, especially with regard to professional licensure,
- Understand contemporary issues, and
- Use the techniques, skills, and modern engineering tools necessary for engineering practice.

Implementation of the program is anticipated for fall 2005.

Consistency with FGCU’s Mission and Strategic Plan:

The B.S. in Environmental Engineering supports the position of Florida Gulf Coast University (FGCU) within the State University System as serving the higher education needs in one of the fastest growing areas of the nation – southwest Florida. The Mission of FGCU can be broadly characterized by achievement of national prominence in undergraduate education, fulfilling the academic, cultural, social, and career expectations of its constituents, while practicing and promoting environmental sustainability. FGCU’s mission emphasizes undergraduate education utilizing the latest technological tools and innovations in pedagogy in an active learning-centered environment. The proposed B.S.Env.E. seeks to attain national prominence and accreditation by the Accreditation Board for Engineering and Technology (ABET). FGCU’s guiding principles, which focus on learner needs, diversity, civic engagement, regional partnerships, interrelatedness of knowledge across disciplines, and systematic assessment, also align with goals specified by ABET. The proposed B.S.Env.E. relates directly to Florida Gulf Coast University Strategic Directives as follows:

1. “Strategic Directive 3 – Academic Programs. Promote nationally recognized undergraduate programs distinguished by student research and scholarship opportunities. Continue to provide applied Master’s degrees appropriate for the region, and begin exploration for doctorate programs aligned with state needs.”¹

The proposed B.S.Env.E. seeks accreditation by ABET.

2. “Strategic Directive 5 – Research and Service. Serve as an intellectual center for southwest Florida through research and service, while contributing to the economic growth, environmental sustainability, and cultural richness of the region.”¹ The proposed B.S.Env.E. is designed to specifically address identified weaknesses in the southwest Florida economy. A 2000 Area Educational Program Needs Assessment Report conducted by MGT of America stated that there was widespread interest throughout SW Florida for civil (environmental), electrical, mechanical, agricultural, and possibly computer engineering courses. The 2003 Koch Report² stated that a scientific/engineering/medical science core is one of the factors that differentiates rapidly growing regions and states from others and that “the addition of engineering to the curriculum of FGCU is a very

¹Florida Gulf Coast University Strategic Plan for 2005-2010, pg. 7-8.
attractive idea if one wishes to add high technology employment and to have more middle to upper middle-income residents.” The proposed B.S. Env.E. will directly contribute to the economic growth and cultural richness of southwest Florida while making significant contributions to research and service.

Need and Demand:

Support for this program comes primarily from the 2000 Area Educational Program Needs Assessment Report conducted by MGT of America indicating widespread interest throughout southwest Florida for civil (environmental), electrical, mechanical, agricultural and possibly computer engineering courses. In addition, the 2003 Koch report reinforced the need for a school of engineering. The Koch Report also indicated that the top seven “high growth” occupations in the United States are computer or engineering related. Major economic development efforts in Southwest Florida center on diversifying the base of the economy to provide more science and technology jobs. According to this study, the majority of individuals in economic development interviewed by the Koch team indicated a central role in having a School of Engineering to fuel this diversification and growth of the area economy. The Koch report also stated that Southwest Florida was the largest Metropolitan Statistical Area (M.S.A.) without an accredited engineering program. In addition, a recent report in Fortune predicts that careers in environmental engineering will grow the fastest in the top 20 and will grow by 54.3% by 2012.

Enrollment Projections:

It is predicted that 25 fulltime students will enroll in engineering in the fall of 2005 and that 4 of these will want to major in environmental engineering. By year five, we anticipate having 312 engineering students with 47 of them majoring in environmental engineering.

Resources:

There has been wide community support for establishing a School of Engineering at Florida Gulf Coast University for several years. The Whitaker Foundation is donating $5 million toward the new engineering building, which will be matched by the State of Florida, resulting in a $10 million fund for the new building. In addition, another donor has pledged a $5 million gift for engineering. The Florida legislature recently approved $2.2 million in operating funds to support the start-up years for the three engineering programs. A scholarship fund has already been established and 10 full scholarships have been awarded for 2005-2006. We are confident that other donors will continue to support both scholarships and other funding needs as they arise.

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The Library Impact Statement addresses all three new programs in Engineering. Estimated start-up expenses include $10,000 for circulating works, $10,000 for reference books, $6,600 for journal subscriptions, and $5,000 for electronic resources (CRC’s EngNet Base subscription). Recurring annual costs are estimated at $5,000 for circulating works, $5,000 for reference books, $6,600 for journal subscriptions and an ongoing subscription fee of $10,000 for electronic resources. In addition, a subject librarian for $45,000 plus 30% fringe benefits for a total of $60,000 will be required. No increase in indirect costs is anticipated.

Engineering majors will be taking upper level mathematics and science courses. The effect on enrollment in these courses is not expected to impact capacity before enrollment and growth funding is available from the State of Florida.

Thirteen faculty, in addition to the Founding Director, are needed to cover the requirements of the proposed engineering programs. Three of these will be hired in the area of environmental engineering. Other faculty to be hired in civil engineering will contribute to the environmental engineering program in the areas of soil mechanics, solid and hazardous waste management, and computer graphics. As enrollment in the engineering programs grows, additional full-time faculty may be needed in the future.
Environmental Engineering

Degree: Bachelor of Science in Environmental Engineering (B.S.Env.E.)
Major: Environmental Engineering
Concentrations: none
College: Business
School: Engineering
Semester Hours Required for Degree: 128

The Bachelor of Science in Environmental Engineering (B.S.Env.E.) focuses on both natural and human-designed environments. This program provides students with knowledge for leadership in sustaining our world, with particular emphasis on technologies needed to solve problems related to water and soil pollution. Although the B.S.Env.E. is offered by the College of Business, it is a non-business degree.

B.S.Env.E. students complete core courses common to all engineering majors as well as specialized courses in environmental engineering. The program prepares students to be successful when taking the Fundamentals of Engineering Exam, the first step towards professional licensure in environmental engineering.

Within the context of environmental engineering, the undergraduate curriculum, courses, organizations, and activities prepare graduates to:
- Apply knowledge of mathematics, science, and engineering,
- Design and conduct experiments, as well as to analyze and interpret data,
- Design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability,
- Function on multi-disciplinary teams,
- Identify, formulate, and solve engineering problems,
- Understand professional practices and ethical responsibility,
- Communicate effectively,
- Understand the impact of engineering solutions in a global, economic, environmental, and societal context,
- Recognize the need for and have the ability to engage in life-long learning, especially with regard to professional licensure,
- Understand contemporary issues, and
- Use the techniques, skills, and modern engineering tools necessary for engineering practice.

Admission to the B.S.Env.E.
Admission to School of Engineering undergraduate programs is open to all students who have been accepted to Florida Gulf Coast University, are in good academic standing, and have completed the communications, mathematics through calculus II, chemistry, and first physics common prerequisite courses with a grade of C or higher. Students must submit an application for admission to the School of Engineering and declare a major.

General education (36 hours):
Students are expected to complete 36 credit hours of approved general education coursework during the first two years of study (refer to General Education Program). Some courses may meet general education requirements as well as fulfill common prerequisite or engineering common core requirements. Students are strongly encouraged to take ECO 2023 Principles of Micro Economics.

Common prerequisites (48 hours):
-- Communications:
 & ENC X101 (3 cr.hr.) English I
 & ENC X102 (3) English II
 & -- Mathematics:
 & MAC X311* (4) Calculus I w/Analytical Geometry
 & MAC X312* (4) Calculus II w/Analytical Geometry
 & MAC X313* (4) Calculus III w/Analytical Geometry
 & MAP X302 (3) Differential Equations
 & -- Natural Sciences:
 & CHM X045/ X045L** (4) General Chemistry I
 & PHY X048/ X048L (4) Physics I
 & PHY X049/049L (4) Physics II
 & -- Humanities & Social Sciences:
 & XXX XXXX (6) Humanities Courses
 & XXX XXXX (6) Social Science Courses
 & XXX XXXX (3) Humanities or Social Sciences
* Or MAC X281, MAC X282, MAC X283
** Or CHISX440 Chemistry for Engineers

Note: Students are encouraged to consult with School of Engineering advisors to identify FGCU courses that satisfy common prerequisite requirements.

Engineering common core (34 hours):
EGN 1006 Introduction to the Engineering Profession (1)
EGN 1930 Concepts and Methods (3)
EGN 2XXX Engineering Economic Analysis (2)
EGN 3310 Engineering Analysis – Statics (3)
EGN 3XXX Engineering Fluid Mechanics (3)
EGN 3XXX Mechanics of Solid Materials (3)
EGN 3XXX Thermodynamics (3)
or EEL 3003 Electrical Engineering I
EGN 3XXX Service Learning for Engineers (2)
EGN 4XXX Senior Design I (2)
EGN 4XXX Senior Design II (3)
EGN 4XXX Engineering Entrepreneurship (3)
ENC 3XXX Technical Writing (3)
STA 2037 Statistics with Calculus (3)

Environmental engineering major (46 hours):
BSC 1051C Enviro Bio-SW Fla Environment (3)
GLY 1000C Physical & Historical Geology (4)
EVR 4867 Risk Assessment (3)
EGN 2XXX Engineering Computer Graphics (2)
EGN 3XXX Fundamentals of Environmental Engineering (3)
EGN 3XXX Soil Mechanics (3)
EGN 4XXX Hydraulics (3)
EGN 4XXX Hydrology and Urban Water Systems (3)
EGN 4XXX Water and Wastewater Treatment (3)
EGN 4XXX Solid and Hazardous Waste Management (3)
EGN 4XXX Biological Process Control (3)
EGN 4XXX Chemical Process Control (3)
EGN 4XXX Environmental Control Systems (3)
EGN 4XXX Environmental Engineering Systems Design (4)
IDS 3920 University Colloquium (3)

Additional graduation requirements:
- Grade of C or higher in the B.S. Env.E. common prerequisites, engineering common core, and major coursework.
- Overall grade point average of 2.0 in all coursework attempted at FGCU.
- Within the 128 total credit hours, a minimum of 48 credit hours at the upper division (courses numbered 3000 and higher).
- A minimum of 32 of the last 60 credit hours at FGCU, including 12 credit hours in the major.
- Satisfy the following requirements: CLAST, foreign language, and Gordon Rule writing and computation.
- Satisfy the Service learning requirement. Information is available at www.fgcu.edu/connect/.
Florida Gulf Coast University Board of Trustees
June 21, 2005

SUBJECT: Limited Access: Professional Golf Management Concentration of the Bachelor of Science (B.S.) in Resort and Hospitality Management

PROPOSED BOARD ACTION

Approve limited access status for the Professional Golf Management Concentration of the B.S. in Resort and Hospitality Management.

BACKGROUND INFORMATION

Limited access status is being sought for the Professional Golf Management Concentration as described in the Limited Access Program Request.

Supporting Documentation Included: (1) Limited Access Program Request

Legal Review by: N/A

Prepared by: Cathy Duff, Director of Program Development, Curriculum, and Accreditation

Submitted by: Provost Bonnie Yegidis
STATE UNIVERSITIES OF FLORIDA
Limited Access Program Request
Reference: 6C-6.001 Admissions, FAC

<table>
<thead>
<tr>
<th>University:</th>
<th>Degree(s) offered:</th>
<th>Bachelor of Science (B.S.)</th>
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<tr>
<td>Florida Gulf Coast University</td>
<td>Resort and Hospitality Management – Professional Golf Management (PGM) Concentration</td>
<td>Six digit CIP code: 52.0906</td>
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1. Will the entire program be limited access or only a specific track?

   **Only a specific track (concentration) will be limited access.**

2. If only a track is limited access, please specify the name of the track

   **Limited access status is being sought for the Professional Golf Management (PGM) Concentration of the B.S. in Resort and Hospitality Management.**

3. How many students will the program plan to accommodate?

   **Year 1: Fall: 25   Spring: 25   Academic Year Total: 25**
   **Year 2: Fall: 100  Spring: 100  Total: 100**
   **Maximum: Fall: 300  Spring: 300  Total: 300**

4. When do you propose to initiate limited access?

   **Plans are to limit access in fall 2005, when the first class is admitted into the concentration.**

5. What is the justification for limiting access?

   The Professional Golf Management Concentration within the B.S. Resort and Hospitality degree program is accredited by the Professional Golfers' Association of America (PGA). According to PGA criteria:
   - A golf handicap of 12 or better is required of all students admitted into the program.
   - No more than 100 students can be admitted per year with a maximum of 300 total in the program at any given time.

6. By what means will access be limited? Please provide a description of the program’s admissions requirements and procedures, and indicate how these requirements and procedures ensure equal access for Florida community college Associate of Arts degree graduates in the competition for available space in the program.

   **Access will be limited by requiring a specific level of golf skill (a golf handicap of 12**

Limited Access Form Updated 6/2003
or better). This will not affect community college AA graduates’ ability to compete for program space.

Qualified students will be accepted on a space available basis in the fall only. For priority consideration, all application materials must be received by February 15th of the calendar year in which entry for the following fall is sought. Application materials received after February 15th will be considered on a space available basis. Admissions decisions will be based on materials and coursework completed at the time of the application.

Admission requirements include:
- Submission of a State University System (SUS) common application for admission and satisfaction of applicable university admission requirements.
- Submission of verification of golf handicap of 12, verified by one of the following: A USGA handicap card, a letter from a PGA Golf Professional, or a letter of playing ability from a high school golf coach.

7. Present the current race and gender profiles of the students in the program. Discuss the impact of the proposed action on the race and gender profiles. Cite sources used for discussion. What strategies, should they be necessary, will be used to promote diversity in the program?

Currently, the concentration does not exist. Males and females of all races will be welcome in the program. When the concentration begins, the program director will take advantage of the PGA Tour First Tee program which targets inner city and underprivileged youth.

8. Are the graduates of the program in high demand? If so, and if the program is to be limited due to lack of adequate resources, provide a justification for limiting access to the program rather than reallocating resources from programs with low market demand.

Graduates of the program are in high demand in the golf industry, not only in the Southwest Florida area, but across the United States. The request to limit access is not due to inadequate resources, but due to accreditation criteria established by the PGA.

<table>
<thead>
<tr>
<th>Request Initiated by:</th>
<th>Steve Eisenberg, PGM Program Coordinator</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEO Officer’s Signature:</td>
<td>Charles W. McKinney</td>
</tr>
<tr>
<td>Provost’s Signature:</td>
<td>Dr. R. E. LeMon</td>
</tr>
</tbody>
</table>
| Send the completed form to: | Vice Chancellor, Division of Colleges and Universities  
Department of Education  
325 West Gaines Street, Suite 1614  
Tallahassee, Florida 32399-1950 |

Limited Access Form Updated 6/2003
Resort & Hospitality Management

Degree: Bachelor of Science
Major: Resort and Hospitality Management
Concentrations: Professional Golf Management (optional)
College: Professional Studies
Division: Resort and Hospitality Management
Semester Hours Required for Degree: 120

This program offers two options (a) the Resort and Hospitality Management (RHM) major with no concentration or (b) the RHM major with a concentration in Professional Golf Management.

No Concentration Option: The RHM major prepares students for high demand professional careers in all aspects of the resort and hospitality industry including: resort management, club and spa management, hotel and lodging management, special event management, commercial recreation, professional golf management, attractions management, resort food and beverage management, resort timeshare management and tourism destination management.

The curriculum, developed by industry leaders is uniquely focused on the essential knowledge needed to manage the complex and sophisticated operations of multi-million dollar resort and private club properties. Students are required to take forty-two credit hours of Resort and Hospitality Management core courses. With over forty top rated resorts and one hundred sixty private clubs nearby, the program is particularly fortunate to have the availability and commitment of top industry professionals with both education and industry experience to teach classes. The program includes 9 to 16 months of field/internship experience in a chosen area of hospitality interest. Internship and field experience sites are available to FGCU RHM students in the area’s finest resorts, private clubs, spas and restaurants. Students in their junior year are paired with a local industry mentor, who provides insight and guidance to the student through graduation and beyond.

Transfer students, students with associate degrees, and students with industry work experience that wish to continue their education are encouraged to consider a Resort and Hospitality Management Degree from FGCU. Through internship experiences and selecting from a defined list of elective courses, students can focus their studies on any of the following topics: Resort Management, Club Management, Spa Management. See the Program Coordinator for additional information.

Professional Golf Management Concentration Option: The RHM major with a concentration in Professional Golf Management (PGM) is designed for students who seek a baccalaureate degree and certification as golf professional, with anticipated membership in the Professional Golfers’ Association of America (PGA), which has given external accreditation to this concentration.

Graduates are prepared to work in the business of golf, as directors of golf, head golf professionals, general managers, directors of instruction/teaching professionals, and facility owners. This is a four and one half year program. A 16-month internship experience at golf industry facilities is integrated throughout the curriculum. In addition, satisfaction of the following elements of the Professional Golfers’ Association of America Professional Golf Management Program are required for graduation from the PGM concentration: (a) passing the Level 1, 2, and 3 checkpoints administered by the PGA of America, and (b) passing the PGA Player’s Ability Test. For those wishing to become PGA of America members, United States Citizenship is a requirement. See Program Director for additional information. This is a limited access program. Access is limited to those student’s with a golf handicap of 12 or better, verified by one of the following: A USGA handicap card, a letter from a PGA Golf Professional, or a letter of playing ability from a high school golf coach.

Admission Information for the PGM Concentration:
The university has requested limited access status for the PGM Concentration. Qualified students are accepted on a space available basis in the fall only. For priority consideration, all application materials must be received by February 15th of the calendar year in which entry for the following fall is sought. Application materials received after February 15th will be considered on a space available basis. Admissions decisions are based on materials and coursework completed at the time of the application.

Admission requirements include:

- Submission of a State University System (SUS) common application for admission and satisfaction of applicable university admission requirements.
- Submission of verification of golf handicap of 12, verified by one of the following: A USGA handicap card, a letter from a PGA Golf Professional, or a letter of playing ability from a high school golf coach.
General Education
Students are expected to complete 36 hours of approved general education coursework during the first two years of attendance (see the General Education section).

Common Prerequisites
HFT x000* Introduction to the Hospitality/Tourism Industry (3)

*Note: HFT 3005 can be taken to satisfy this requirement.

Coursework in the RHM Major (all students)
Required courses (18 hours):
HFT 3005 Introduction to Resort, Hospitality & Tourism Mgmt (3)
HFT 3407 Resort & Hospitality Management Accounting (3)
HFT 3573 Resort & Hospitality Management Marketing (3)
HFT 3670 Resort & Hospitality Management Law, Legal Issues & Risk Management (3)
HFT 3806 Management of Food & Beverage Operations (3)
HFT 4342 Resort & Recreation Planning, Programming, Facilities Design (3)

Additional Requirements for RHM Major—no concentration
Required courses (33 hours):
HFT 3006 Mgmt of Resort & Hospitality Human Resources (3)
HFT 3442 Hospitality Information Technology (3)
HFT 4275 Resort Development & Management (3)
HFT 4295 Resort & Hospitality Management Senior Seminar (3)
HFT 4408 Resort & Hospitality Mgmt Budgeting & Finance (3)
IDS 3920 University Colloquium (3)

Plus 9 credits from the following:
HFT 4945 Internship in Resort & Hospitality Management (1-9)
Or
HFT 4944 Field Experience (3)
Plus
HFT 4945 Internship in Resort & Hospitality Management (6)

Plus 6 hours of electives from the following:
HFT 3270 Introduction to Club & Spa Management (3)
HFT 3572 Resort & Hospitality Management Sales, Advertising and Public Relations (3)
HFT 3757 Catering, Conventions and Event Management (3)
HFT 4010 Strategic Issues in Resort Management (3)
HFT 4273 Resort Timeshare, Condominium Vacation Interval Ownership (3)
HFT 4286 Resort & Hospitality Management Professional Communication and Presentations (3)
HFT 4912 Resort & Hospitality Mgmt Direct Individual Study (3)
HFT 4955 Resort & Hospitality Mgmt Study Tour Abroad (1-9)

Additional Requirements for RHM Major—Professional Golf Management Concentration
Required courses (42 hours):
HFT 1xxx Introduction to Golf Management (3)
HFT 1xxx Player Development (1)
HFT 2xxxC Turfgrass Management Operations (3)
HFT 3xxx PGA Prep 1 (1)
HFT 3xxx PGA Prep 2 (1)
HFT 3xxx PGA Prep 3 (1)
HFT 3xxx PGA Prep 4 (1)
HFT 3xxx Golf Facility Operations. (2)
HFT 3xxx Adv. Golf Merchandising Oper. (2)
HFT 3xxx Dir of Golf Instructional Oper. (2)
HFT 4xxx Golf Practicum (3)
HFT 4xxx PGA Prep 5 (1)
HFT 4xxx  Professional Golf Management Senior Seminar (3)
HFT 4945  Internship (9 credits)
IDS 3920  University Colloquium (3)

Plus 6 hours of electives from the following:
HFT 4xxx  Golf Exec. Mgmt (3)
HFT 4xxx  Golf Course Ownership (3)
HFT 3270  Introduction to Club & Spa Management (3)
HFT 3572  Advertising & Public Relations (3)
HFT 4275  Resort Management & Development (3)

**Additional Requirements**
Additional electives may be required to reach a minimum of 120 credit hours for the baccalaureate degree. At least 48 hours of the 120 hours must be at the upper division (courses numbered 3000 and above). Consult with the academic advisor regarding coursework appropriate to educational and career goals.