Section 14

Muma
College of Business

http://www.coba.usf.edu
## Changes to Note

The following curricular changes for the Muma College of Business were approved by the USF Graduate Council on the date noted.

### Program Changes

<table>
<thead>
<tr>
<th>Program</th>
<th>Action</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Administration DBA</td>
<td>Exception approved to retain Nov 1 Spring Admission Deadline</td>
<td>6/16/16</td>
</tr>
<tr>
<td>Business Administration MBA</td>
<td>Change curriculum (Add Pharmacy Specialization), add three concentrations: 1. Data Analytics (DAT), 2. Cyber Security (CYS), and 3. Compliance, Risk Management &amp; Anti-Money Laundering (RAM)</td>
<td>2/15/16</td>
</tr>
<tr>
<td>Business Administration MBA</td>
<td>Eliminate Spring Admissions for Sport Business Concentration</td>
<td>6/16/16</td>
</tr>
<tr>
<td>Management M.S.</td>
<td>Add Project Management (PMT) Concentration</td>
<td>5/2/16</td>
</tr>
<tr>
<td>Management Info Systems MS</td>
<td>Revise Curriculum, add 3-year BA option; Update Spring Adm headline to Oct 15 per policy change</td>
<td>3/7/16</td>
</tr>
<tr>
<td>Management Information Systems M.S.</td>
<td>Change Name to <em>Business Analytics and Information Systems</em> (BAI) (same CIP 11.0501)</td>
<td>5/2/16</td>
</tr>
<tr>
<td>Marketing M.S.</td>
<td>Change Curriculum</td>
<td>4/4/16</td>
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### Graduate Certificates

<table>
<thead>
<tr>
<th>Program</th>
<th>Action</th>
<th>Date</th>
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<tbody>
<tr>
<td>Business Analytics</td>
<td>New Certificate</td>
<td>5/2/16</td>
</tr>
<tr>
<td>Business Foundations</td>
<td>Change requirements</td>
<td>2/1/16</td>
</tr>
</tbody>
</table>
University of South Florida
Muma College of Business
4202 E. Fowler Ave., BSN 3403 (loc BSN 103)
Tampa, FL 33620

Web address:  http://business.usf.edu
Email:  mba@coba.usf.edu
Phone:  813-974-3335
Fax:  813-974-4518

College Dean:  Moez Limayem
Associate Deans:  Kaushal Chari and Jacqueline Reck
Faculty Director:  Jerry Koehler
Graduate Coordinator:  Irene Hurst

Accreditation:
The Ph.D., D.B.A., M.B.A., M.S. in Business Analytics and Information Systems, M.S. in Management, M.S. in Finance, Master of Accountancy, M.S. in Marketing, M.S. in Entrepreneurship, M.S. in Sport and Entertainment Management and M.S. in Real Estate programs in the Muma College of Business are accredited by the AACSB International – The Association to Advance Collegiate Schools of Business. The College also is a member of the Graduate Management Admission Council (GMAC).

Mission Statement:
The USF Muma College of Business will provide a high-quality, diverse learning environment preparing students to contribute to and take leading positions in business and society. Our teaching, scholarship, and service will link theory and practice to benefit the University and the communities it serves.

Degrees, Programs, and Concentrations:

**Master of Accountancy (M.Acc.)**
Accountancy (MAC)
Audit/Systems (AUS)
Tax (TAX)

**Master of Business Administration (M.B.A.)**
Business Administration (full-time or part-time) (BUS)
Data Analytics (DAT)
Cyber Security (CYS)
Compliance, Risk Management & Anti-Money Laundering (RAM)
Sport Business (SEM)
Supply Chain Management
Executive M.B.A. (MBA)

**Master of Science (M.S.)**
Entrepreneurship in Applied Technologies (EAT)
Finance (FIN)
Management (MAN)
   *Project Management (PMT)*
Business Analytics and Information Systems (BAI)
   *Analytics & Business Intelligence (ABI)*
Information Assurance (CIA)
Sport and Entertainment Management (SMG)
Master of Science in Marketing (M.S.M.)  
Marketing (MKT)

Master of Science in Real Estate (M.S.R.E.)  
Real Estate (RST) – Currently Suspended for Admissions

Doctor of Business Administration (D.B.A.)  
Business Administration

Doctor of Philosophy (Ph.D.)  
Business Administration (BUD)  
Accounting (ACC)  
Economics (ECO)  
Finance (FIN)  
Information Systems (IST)  
Marketing (MKT)  
Also see application areas in program descriptions.

Accelerated Program  
BS/MS – Business Analytics and Information Systems

Dual Degree Programs  
Biomedical Engineering (MSBE) / Entrepreneurship in Applied Technologies (M.S.)  
Business Administration (MBA): Sport Business Concentration / Sport and Entertainment Management (M.S.)

Graduate Certificates Offered:  
See Graduate Certificate website [http://www.gradcerts](http://www.gradcerts)

COLLEGE REQUIREMENTS

Non-Degree Seeking Students  
The Muma College of Business will approve, on a space available basis, non-degree seeking student status for transient students (degree-seeking students at another AACSB accredited institution) or for students with valid reasons to register in this status and who meet all admission requirements. Contact the College for additional requirements.
About the Catalog

The University of South Florida Graduate Catalog is organized with the degree programs offered listed in the section of the College that offers them. For example, the Master of Science degree with a “program” (also known as major) in Biology is listed in the College of Arts and Sciences section. Some colleges offer areas of specialization, or “concentrations” within a degree program.

PROGRAMS

- **BUSINESS ADMINISTRATION PROGRAM**
- Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

CONCENTRATIONS

Concentration Requirements are listed separately under each Program.

The Program and Concentration are listed on the official transcript. Other areas, such as application tracks, are not listed on the transcript.

Example:
- **Doctor of Philosophy in Business Administration**
- with a Concentration in Finance
ACCOUNTANCY PROGRAM

Master of Accountancy (M.Acc.) Degree

**DEGREE INFORMATION**

Program Admission Deadlines:
- Fall: March 1
- Spring: October 1
- Summer: March 1

Minimum Total Hours: 30
Program Level: Masters
CIP Code: 52.0301
Dept. Code: ACC
Program (Major/College): MAC BA
Effective: 1970

Concentrations:
- Audit/Systems (AUS)
- Tax (TAX)

Also offered as:
- Concentration under Business Administration (Ph.D.)

**CONTACT INFORMATION**

College: Business
Department: School of Accountancy (ACC)
Contact Information: [www.grad.usf.edu](http://www.grad.usf.edu)

**PROGRAM INFORMATION**

The objective of the Master of Accountancy (M.Acc.) Program is to provide candidates with greater breadth and depth of knowledge in accountancy than is possible in the baccalaureate program. The program is designed to meet the increasing needs of business, government, and public accounting. Students entering The M.Acc. Program must already have the equivalent of an undergraduate degree in accounting from an AACSB accredited school. The program may also be structured to satisfy the requirements to sit for the CPA Examination in Florida.

Accreditation:
Accredited by both the Commission on Colleges of the Southern Association of College and Schools (SACS) and AACSB International (The Association to Advance Collegiate Schools of Business).

Major Research Areas: Contact department.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements

- At least a 3.00 upper-level accounting GPA (minimum of 21 hours at a U.S. AACSB- accredited program within the past 5 years)
- A 3.00 overall upper-level GPA
- A 500 or higher GMAT score
- International applicants from non-English-speaking countries must also have a TOEFL score of 550 or higher on written version, a 213 or higher on the computer-based test, or a 79 on the Internet-based test.

Admission to the M.Acc. Program is competitive. For full consideration, please submit your application by the deadlines shown above.
DEGREE PROGRAM REQUIREMENTS

For the student who has the equivalent of an undergraduate major in accounting at USF (including 21-24 hours of upper-level accounting coursework taken within the last 5 years), the program consists of 30 hours. Most (24 hours) of the program is devoted to the study of accounting. The remaining six (6) hours consist of study in other business areas including economics, entrepreneurship, finance, and information systems/decision sciences. These six 6) hours are elected by the student in consultation with the M.Acc. Advisor. At least 70% of the coursework must be at the 6000 level.

The M.Acc. Curriculum has a set of three required common core accounting courses. Students may elect a concentration (12 hours) in either Tax or Audit/systems. If a student does not wish to elect a concentration, a student may follow the “Generalist Track” below. The sequencing of courses will be determined in consultation with the M.Acc. Advisor.

Total Minimum hours: 30
At least 21 hours must be in 6000-level courses.

Core Requirements

Required Core Accounting Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 6875</td>
<td>Financial Reporting and Professional Issues</td>
<td>3</td>
</tr>
<tr>
<td>ACG 6932</td>
<td>Integrative Accounting Seminar</td>
<td>3</td>
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</table>

GENERALIST TRACK

Accounting Electives

Select from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 6476</td>
<td>Contemporary Issues in Accounting Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>ACG 6636</td>
<td>Contemporary Issues in Auditing</td>
<td>3</td>
</tr>
<tr>
<td>TAX 6065</td>
<td>Contemporary Issues in Taxation</td>
<td>3</td>
</tr>
<tr>
<td>ACG 6346</td>
<td>Contemporary Issues in Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACG 6936</td>
<td>Selected Topics in Accounting</td>
<td>3</td>
</tr>
<tr>
<td>TAX 6445</td>
<td>Estate Planning</td>
<td>3</td>
</tr>
<tr>
<td>ACG 5205</td>
<td>Advanced Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACG 5675</td>
<td>Internal and Operational Auditing</td>
<td>3</td>
</tr>
<tr>
<td>ACG 5505</td>
<td>Governmental / Not-for-Profit Accounting</td>
<td>3</td>
</tr>
<tr>
<td>TAX 5015</td>
<td>Federal Taxation for Business Entities</td>
<td>3</td>
</tr>
<tr>
<td>ACG 6457</td>
<td>Accounting Systems Audit, Control &amp; Security</td>
<td>3</td>
</tr>
<tr>
<td>TAX 6134</td>
<td>Advanced Corporate Taxation</td>
<td>3</td>
</tr>
<tr>
<td>TAX 6005</td>
<td>Advanced Partnership Taxation</td>
<td>3</td>
</tr>
</tbody>
</table>

Non-accounting Electives

Electives must be approved in advance by M.Acc. Advisor

TAX CONCENTRATION

Tax Courses

Select from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TAX 5015</td>
<td>Taxation of Business Entities*</td>
<td>3</td>
</tr>
<tr>
<td>TAX 6134</td>
<td>Advanced Corporate Taxation</td>
<td>3</td>
</tr>
<tr>
<td>TAX 6005</td>
<td>Advanced Partnership Taxation</td>
<td>3</td>
</tr>
<tr>
<td>TAX 6445</td>
<td>Estate Planning</td>
<td>3</td>
</tr>
<tr>
<td>TAX 6065</td>
<td>Contemporary Issues in Taxation</td>
<td>3</td>
</tr>
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</table>

(*Note: TAX 5015 may count in the M.Acc. program only if it is not counted towards the Bachelor’s Degree)

Accounting Electives

Select from:

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</tbody>
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### Accountancy (M.Acc.)

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<td>3</td>
</tr>
</tbody>
</table>

**Non-accounting Electives**

Electives must be approved in advance by M.Acc. Advisor

### Audit/Systems Concentration

**Audit/Systems Courses**

Select two (2) courses from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 6405</td>
<td>Advanced Accounting Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
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<tr>
<td>ACG 6457</td>
<td>Accounting Systems Audit, Control &amp; Security</td>
<td>3</td>
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<tr>
<td>ACG 6636</td>
<td>Contemporary Issues in Audit</td>
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</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACG 5675</td>
<td>Internal and Operational Audit</td>
<td>3</td>
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</table>

The remaining two (2) courses should be selected from:

<table>
<thead>
<tr>
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<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ACG 6405</td>
<td>Advanced Accounting Information Systems</td>
<td>3</td>
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<tr>
<td>ACG 6457</td>
<td>Accounting Systems Audit, Control &amp; Security</td>
<td>3</td>
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<tr>
<td>ACG 6636</td>
<td>Contemporary Issues in Audit</td>
<td>3</td>
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<tr>
<td>ACG 5675</td>
<td>Internal and Operational Audit</td>
<td>3</td>
</tr>
<tr>
<td>ISM 6930</td>
<td>Enterprise Resource Planning &amp; Business Proc. Mgmt.</td>
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<tr>
<td>ISM 6930</td>
<td>Information Security &amp; Risk Management</td>
<td>3</td>
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</table>

**Accounting Electives**

Select from:

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**Non-accounting Electives**

Electives must be approved in advance by M.Acc. Advisor

**Comprehensive Exam**

Total Minimum Hours: 30

At least 21 hours must be in 6000-level courses

### COURSES

See [http://ugs.usf.edu/course-inventory](http://ugs.usf.edu/course-inventory)
BUSINESS ADMINISTRATION PROGRAM

Master of Business Administration (M.B.A.) Degree

<table>
<thead>
<tr>
<th>DEGREE INFORMATION</th>
<th>CONTACT INFORMATION</th>
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<tbody>
<tr>
<td><strong>Program Admission Deadlines:</strong></td>
<td><strong>Contact Information:</strong></td>
</tr>
<tr>
<td>Fall: July 1</td>
<td>College: Business</td>
</tr>
<tr>
<td>Spring: November 1*</td>
<td>Contact Information: <a href="http://www.grad.usf.edu">www.grad.usf.edu</a></td>
</tr>
<tr>
<td>Summer: No Admit</td>
<td>Other Resources: <a href="http://www.mba.usf.edu">www.mba.usf.edu</a></td>
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</tbody>
</table>

*International:*
- Fall: February 1
- Spring: July 1*
- Summer: No Admit

<table>
<thead>
<tr>
<th>Minimum Total Hours: 32</th>
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<tbody>
<tr>
<td>Program Level: Masters</td>
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<tr>
<td>CIP Code: 52.0201</td>
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<tr>
<td>Dept. Code: DEA</td>
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<td>Program (Major/College): BUS BA</td>
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<tr>
<td>Effective: 1965</td>
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<table>
<thead>
<tr>
<th>Concentrations:</th>
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<tbody>
<tr>
<td>Cyber Security (CYS)*</td>
</tr>
<tr>
<td>Compliance, Risk Management and Anti-Money Laundering (RAM)*</td>
</tr>
<tr>
<td>Data Analytics (DAT)*</td>
</tr>
<tr>
<td>Sport Business (SEM)**</td>
</tr>
<tr>
<td>Supply Chain Management (SCMG)</td>
</tr>
</tbody>
</table>

*This concentration is currently only available online*

**Sport Business does not admit in Spring**

Also offered as Dual Degree Program MBA/MD

PROGRAM INFORMATION

The Master of Business Administration (M.B.A.) is a professional degree designed to prepare graduates for managerial roles in business and not-for-profit organizations. Graduates will develop the necessary skills and problem-solving techniques that will permit them to make an early contribution to management and eventually to move into broad, general management responsibilities at the executive level. This Program offers several concentrations in an online format.

**Accreditation:**
Accredited by the Commission on Colleges of the Southern Association of College and Schools (SACS); AACSB International. (The Association to Advance Collegiate Schools of Business).

**Major Research Areas:**
Contact coordinator for department
ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements

The USF MBA admission committee will consider the strength of each applicant based on the entire completed application. The Admission committee will consider the following:

- prior college-level academic performance (bachelor’s degree from a regionally accredited institution required*);
- GMAT (preferred), or GRE scores (MCAT scores could be submitted by M.D. students; PCAT scores could be submitted by PharmD. students); As part of the portfolio approach, applicants with 5 or more years of managerial experience may request a GMAT/GRE waiver.
- relevant professional work experience;
- recommendation letters;
- a statement of purpose;
- community or volunteer service; and
- any other information that helps in ensuring the potential success of the applicant in the program.
- Applicants whose native language is not English or who have not earned a degree in the United States must also submit TOEFL scores earned within two (2) years of the desired term of entry. A minimum total score of 79 on the Internet-based test, 213 on the computer-based test, or 550 on the paper-based test is required. Students’ personal characteristics that add to the diversity of the class may also be considered.

DEGREE PROGRAM REQUIREMENTS

The M.B.A. degree is a 32 hour program. All M.B.A. candidates must complete all degree requirements within five (5) years of beginning the program. The full time student will need at least four semesters to complete the program. Part time students can complete all work within a reasonable time—approximately three years. Part time students are encouraged to take two courses per semester and must complete 12 hours per calendar year to remain on active status as a degree-seeking student. Courses are scheduled to accommodate both full time and part time students. All courses are at the graduate level. Students entering the program are expected to have sufficient competency in mathematics (college algebra), communication skills (written and verbal), basic computer skills, high-speed internet access, and a business foundation.

Total Minimum hours: 32 credit hours

Options:

Pre-Requisites Waived:
Core – 17 hours
Concentration/Specialization – 15 hours
Total 32 hours

Pre-Requisites Required:
Pre-req – 16 hours
Core – 17 hours
Electives – 15 hours
Total 48 hours
PRE-REQUISITE - BUSINESS FOUNDATION – 16 hours
Students accepted to the MBA program are expected to have a common body of business knowledge as demonstrated with an undergraduate degree in business from a regionally-accredited program or completion of business foundation courses. If a student has an undergraduate degree from a regionally-accredited institution the student may request to waive foundation courses taken within the last 7 years. The foundation courses assume little or no prior knowledge in the field targeted toward MBA students without a Business degree. Students who wish to complete foundation coursework before applying to the MBA program and those wishing to complete only the foundation courses without applying to the MBA program may choose to pursue the Certificate in Business Foundations. Information about and admission requirements for the Certificate in Business Foundations is available at the Muma College of Business Website http://business.usf.edu/.

Students pursuing a general MBA may choose electives from among non-foundation graduate level courses offered in the college, or other colleges if an approved part of their program of study. NOTE: Foundation courses may not be counted as electives.

Pre-Requisite Business Foundation Courses - 16 Credits

Business Decision Making
MAN 6055 2 Organizational Behavior and Leadership
ISM 6021 2 Management Information Systems

Business Measurement
ACG 6026 3 Accounting Concepts for Managers
QMB 6305 2 Managerial Decision Analysis
FIN 6406 2 Financial Management

Market Orientation
MAR 6815 2 Marketing Management
ECO 6005 3 Introduction to Economic Concepts for Managers

Core Requirements – 17 credits minimum

GEB 6445 2 Social, Ethical, Legal Systems
MAN 6147 2 Leadership/Management Concepts
QMB 6603 2 Operations Management and Quality Enhancement
FIN 6466 2 Financial Analysis
MAN 6726 2 Strategic Business Analysis
QMB 6358 2 Data Analytics for Business
GEB 6215 2 Communication Skills for Managers

And depending on the Concentration area, either:
GEB 6xxx 3 MBA Capstone*
OR
GEB 6895 4 Integrated Business Applications**

* MBA Capstone (3 credit hours)
Students pursuing concentrations in Data Analytics, Cyber Security or Compliance, Risk Management & Anti-Money Laundering are required to take the 3 credit hour MBA Capstone instead of GEB 6895.

**Integrated Business Applications (4 credit hours)
The MBA capstone course, Integrated Business Applications, affords students the opportunity to integrate and apply knowledge, skills and experience as they develop a cohesive, comprehensive business plan that serves as the focal point of their learning for the semester. Working in teams, students develop and present a strategic/marketing plan, an implementation plan supported by financial strategies and pro-forma financial statements designed to provide multiple measures of strategic, operating, and financial performance. This course is required to be taken by all students except
those pursuing a concentration in Data Analytics, Cyber Security or Compliance, Risk Management & Anti-Money Laundering.

Students select the following options:
- General Electives – 15 credit hours
- Concentration in Sport Business - 15 hours
- Concentration in Supply Chain Management– 15 credit hours
- Concentration in Data Analytics
- Concentration in Cyber Security
- Concentration in Compliance, Risk Management & Anti-Money Laundering
- Specialization in Healthcare – 15 credit hours
- Specialization in Pharmacy – 15 credit hours
- Specialization in other areas – 15 credit hours

Electives - 15 credit hours minimum
- NOTE: Some elective courses may not be offered each year.
- At least one of the electives taken must be related to global issues.

Sport Business Concentration - 15 hours

The MBA with a Concentration in Sport Business prepares graduates to contribute to and take leading positions in the global sport and entertainment industry. It complements the solid grounding in the applied fundamentals of accounting, finance, information systems, management and marketing provided by a recognized, high-quality MBA with coursework focused on the business of sport—human capital, organization resources and development, innovation and technology in sport, culture and business relationships, sport and law and emerging issues in global sport. Academic course work is supported by internships, mentorships, professional seminars, guest speakers, and networking opportunities to provide graduates the tools and skills to function effectively in the competitive global environment of sport and entertainment management.

Concentration Admissions Information-
The ideal degree candidate will have a passion for the business and industry rather than simply be a lover of sports. The MBA with a Concentration in Sport Business is a “direct admit” program: applicants should apply via the program Website: [http://business.usf.edu/programs/graduate/sport-entertainment/](http://business.usf.edu/programs/graduate/sport-entertainment/) rather than to the College’s MBA Office.

Concentration Requirements – 15 credit hours

In addition to the 17 hours of required MBA coursework, students complete:

SPB 6719 3 Sport and Entertainment Marketing Strategy
SPB 6406 3 Sport and Entertainment Law
SPB 6816 3 Contemporary Issues in Sport & Entertainment Management
SPB 6706 3 Sport Business Analytics
SPB 6946 3 Internship in Sport and Entertainment Management

Supply Chain Management Concentration – 15 credit hours

The MBA with a Concentration in Supply Chain Management prepares graduates for careers in managing global supply chains. Supply chain management encompasses the coordination of physical, informational, and financial flows across companies in a supply chain network for the purpose of improving performance for individual companies and the supply chain as a whole. Academic coursework introduces students to supply chain processes and activities including procurement, transportation, warehousing, inventory management, and relationship management. In addition, courses provide hands-on experience with analytical models and software tools that support decision making. The Center for Supply Chain Management and Sustainability provides students with opportunities for field-based internships, participation in professional seminars, and networking with supply chain executives.

[http://www.coba.usf.edu](http://www.coba.usf.edu)
Concentration Admissions Information-
The Admissions Committee for the MBA with a Concentration in Supply Chain Management will consider the strength of each applicant based on the entire completed application; outstanding qualities in one area may compensate for a weakness in another. In addition to the Program Admission requirements, this concentration also requires a mandatory personal interview.

The ideal candidate will have strong quantitative analysis skills coupled with effective written and oral communication abilities.

Concentration Requirements – 15 credit hours
In addition to the 17 hours of required MBA coursework, students complete:

MAR 6213 3 Supply Chain Management
MAR 6216 3 Logistics and Physical Distribution Management
MAR 6219 3 Logistics Systems and Analytics

Plus two electives from the following list:

MAR 6936 3 Marketing Special Topics
GEB 6527 3 Lean Six Sigma
ISM 6436 3 Operations and Supply Chain Processes
ISM 6217 3 Database Administration
ISM 6156 3 Enterprise Resource Planning and Business Process Management
MAN 6448 3 Negotiating Agreement and Resolving Conflict
ESI 6324 3 Engineering the Supply Chain
CGN 6933 3 Special Topics in CEE: Green Infrastructure for Sustainable Communities

Data Analytics Concentration- 15 credit hours
The MBA with a Concentration in Data Analytics is an online concentration that prepares graduates with the necessary skill set to draw insights from data for decision making in different functional areas of business. Courses in the concentration will provide hands-on experience with analytical tools and database software. The capstone course focuses on integrating concepts through project work and applied cases.

Concentration Requirements – 15 credit hours
In addition to 18 required hours of MBA coursework, students complete:

ISM 6136 3 Data Mining
ISM 6930 3 Statistical Programming for Business

Plus at least two electives from the following list:

MAR 6936 3 Special Topics: Marketing Analytics
ACG 5XXX 3 Accounting Analytics
ISM 6217 3 Database Management

The fifth elective can be taken with the approval of the MBA academic advisor. Data Analytics concentration requires the completion of the capstone course: GEB 6XXX MBA Capstone.
Cybersecurity Concentration - 15 credit hours

The MBA with a Concentration in Cyber Security is an online concentration that prepares graduates for a career in information security management and business continuity. This concentration is fairly technical, given the nature of cybersecurity. The capstone course focuses on integrating concepts through project work and applied cases.

Concentration Requirements – 15 credit hours
In addition to 17 required hours of MBA coursework, students complete:

- ISM 6328 3 Basics of Information Security and Risk Management
- ISM 6225 3 Distributed Information Systems
- ISM 6930 3 Special Topics: Decision Processes for Business Continuity and Disaster Recovery

Plus at least one elective from the following list:
- ISM 6217 3 Database Management
- CIS 5362 3 Cryptology
- BUL 5832 3 Risk Management and Legal Compliance

The fifth elective can be taken with the approval of the MBA academic advisor. Cybersecurity concentration requires the completion of the capstone course: GEB 6XXX MBA Capstone.

Compliance, Risk Management & Anti-Money Laundering - 15 credit hours

The MBA with a Concentration in Compliance, Risk Management & Anti-Money Laundering is an online concentration that prepares graduates for a career in compliance, risk management and anti-money laundering. This concentration is especially attractive to those who want to work in the financial services sector. The capstone course focuses on integrating concepts through project work and applied cases.

Concentration Requirements – 15 credit hours
In addition to 17 required hours of MBA coursework, students complete:

- BUL 5832 3 Risk Management and Legal Compliance
- ACG 6936 3 Forensic Accounting and Legal Compliance
- ACG 6457 3 Accounting Systems Audit, Control and Security

Plus at least one elective from the following list:
- ISM 6217 3 Database Management
- ISM 6930 3 Decision Process for Business Continuity and Disaster Recovery

The fifth elective can be taken with the approval of the MBA academic advisor. Compliance, Risk Management & Anti-Money Laundering concentration requires the completion of the capstone course: GEB 6XXX MBA Capstone.

Healthcare Specialization – 15 credit hours minimum

The healthcare specialization is designed to prepare graduates for roles in the business of medicine. Graduates will develop the necessary skills and problem-solving techniques that will permit them to manage healthcare practices and businesses. The specialization is meant for students enrolled in a Doctor of Medicine (M.D.) program, practicing physicians and healthcare professionals. Students select from the following electives, or other graduate course electives in Business, Medicine, or Public Health, taken with the approval of the MBA Academic Advisor.

Suggested Electives:
- ISM 6930 3 Special Topics: Healthcare Information Systems
- ISM 6930 3 Special Topics: Healthcare Management Science
- PHC 6102 3 Principles of Health Policy and Management
- PHC 6161 3 Health Care Finance and Costing
- PHC 6420 3 Health Care Law, Regulation and Ethics
Thesis – 6 credit hours
Students may elect a six hour thesis in healthcare management subject to departmental approval. Thesis hours serve in lieu of elective hours.
ISM 6971  6 Thesis

Pharmacy Specialization – 15 credit hours minimum
The pharmacy specialization is designed to prepare graduates for roles in managing a pharmacy business. The specialization is meant for students enrolled in the PharmD program, and pharmacy professionals. Students select from the following electives, or other graduate course electives in Business, Pharmacy, or Public Health, taken with the approval of the MBA Academic Advisor.

Suggested Electives:
PHA 6261  3 Healthcare Administration and Economics
PHA 6270  3 Healthcare and Medication Safety
ISM 6930  3 Special Topics: Healthcare Information Systems
ISM 6930  3 Special Topics: Healthcare Management Science
PHC 6102  3 Principles of Health Policy and Management
PHC 6161  3 Health Care Finance and Costing
PHC 6420  3 Health Care Law, Regulation and Ethics

PHA 7626  Advanced Pharmacy Practice Experiences (6 hours) could count for six credit hours of electives with the approval of the MBA Academic Advisor, when practice experiences involve significant exposure to the business of pharmacy.

Practicum Option - 3 hours
The practicum option requires investigation of business issues. The project typically occurs in the student’s place of employment and is jointly supervised by a faculty member and a manager in the company. Three credits could be earned by taking one of the following: ACG 6905, FIN 6906, ISM 6905, GEB 6117, MAR6907, or MAN 6905 as part of the practicum option. The practicum option would count for three hours of MBA electives.

Thesis Option – 6 credit hours
Students may elect a 6 hour thesis in any of the areas of the business disciplines subject to departmental approval. Thesis hours serve in lieu of elective hours.
ISM 6971  2-6  Thesis

Comprehensive Exam
The successful completion of GEB 6895 capstone course – Integrated Business Applications serves in lieu of the Comp Exam.

Total Minimum Credit Hours Required- 32

Dual Degree Option
Students in the Morsani College of Medicine M.D. Program and the Muma College of Business MBA Program may participate in a Dual Degree option whereby they may complete the requirements for both the MD and the MBA. No courses are shared, but students in the MD program may opt to complete the MBA with a healthcare specialization with approval from both programs.

Suggested Schedule for M.D. students
Students joining the M.D. program could earn an M.D. degree, an M.B.A. degree as well the Business Foundations Certificate in five years, if they successfully complete courses as per the following schedule.
Year 1-  M.D. Courses
Summer 1- Business Foundation Courses
Year 2-  M.D. Courses
Summer 2- Business Foundation Courses; Earn Business Foundations Certificate
Year 3-  M.D. Courses
Summer 3 – M.D. Courses
Year 4-  M.B.A. Courses
Summer 4 – M.B.A. Courses; Earn M.B.A. Degree
Year 5-  M.D. Courses; Earn M.D. Degree
Suggested Schedule for PharmD students
Students admitted to the PharmD program could earn a PharmD, an M.B.A. degree as well the Business Foundations Certificate in four years, if they successfully complete courses as per the following schedule:

<table>
<thead>
<tr>
<th>Year</th>
<th>Summer 1</th>
<th>Summer 2</th>
<th>Summer 3</th>
<th>Year 4</th>
<th>Year 5</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PharmD Courses</td>
<td>Business Foundation Courses</td>
<td>Business Foundation Courses; Earn Business Foundations Certificate</td>
<td>PharmD Courses; students will complete two (2) M.B.A courses in lieu of PharmD elective courses</td>
<td>PharmD Courses; Earn PharmD Degree</td>
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</tbody>
</table>

COURSES
See [http://ugs.usf.edu/course-inventory](http://ugs.usf.edu/course-inventory)
BUSINESS ADMINISTRATION: SPORT BUSINESS CONCENTRATION AND SPORT AND ENTERTAINMENT MANAGEMENT DUAL DEGREE PROGRAM

Master of Business Administration (M.B.A.) and Master of Science (M.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Refer to specific individual program listing for deadlines

Minimum Total Hours: 32/30
Program Level: Masters
CIP Code: 52.0201 / 31.0504
Dept. Codes: DEA
Program (Major/College): BUS/BA, SEM/BA

CONTACT INFORMATION

College: Business
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Dual Degree prepares graduates to contribute to and take leadership positions in the global sport and entertainment industry.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements for each program. To be admitted to the MS in Sport and Entertainment Management, students must be concurrently enrolled in the MBA with a concentration in Sport Business. Refer to individual program listings for specific requirements.

DEGREE PROGRAM REQUIREMENTS

Refer to individual program listings for specific requirements.

The MBA with a Concentration in Sport Business is a 32 credit hour program comprising 17 hours of advanced tools and 15 hours of sport and entertainment-focused coursework. The MS in Sport and Entertainment Management is a 30 credit hour program. The schedule below shows the sequence of courses required to earn both degrees. All 53 hours of coursework in both programs are required to earn both degrees; there are no electives.

Courses required for the MBA/SB are indicated in the curricular sequence below as “MBA”; courses required for the MS/SEm are indicated as “MS”; the nine common credit hours are indicated as “MBA/MS.”

http://www.coba.usf.edu
### SEQUENCE

#### First Fall Semester

**1st Eight Weeks**
- GEB 6445 Social, Legal, Ethical Systems MBA 2
- QMB 6603 Operations Management MBA 2
- MAN 6055 Organizational Behavior and Leadership MBA 2

**2nd Eight Weeks**
- FIN 6466 Financial Analysis MBA 2
- MAN 6726 Strategic Business Analysis MBA 2
- GEB 6215 Communication Skills for Managers MBA 2

#### Spring Semester

**4-Week Session**
- GEB 6226 Leadership Speaker Series MBA 1

**12-Week Session**
- SPB 6719 Sport and Entertainment Marketing Strategy MBA/MS 3
- SPB 6406 Sport and Entertainment Law MBA/MS 3
- SPB 6706 Sport Business Analytics MBA/MS 3
- SPB 6816 Contemporary Issues in Sport and Entertainment Management MBA/MS 3

#### Summer Session

**Summer C**
- SPB 6946 Internship in Sport and Entertainment Management I MBA 3
- GEB 6895 Integrated Business Applications MBA 3

#### Second Fall Semester

**12 Week session**
- SPB 6605 Sport and Social Issues MS 3
- SPB 6116 Sport and Entertainment Finance MS 3
- SPB 6735 Global Environment of Sport MS 3

#### Second Spring Semester

**12 Week session**
- SPB 6807 Social Media in Sport MS 3
- SPB 6608 Issues in the American Sport Industry MS 3
- SPB 6715 Sales and Fundraising in the Sport Industry MS 3

#### Summer Semester

**Summer C**
- SPB 6946 Internship in Sport and Entertainment Management II MS 3

### COURSES

See [http://ugs.usf.edu/course-inventory](http://ugs.usf.edu/course-inventory)

**Total MBA/SP: 32 credit hours**

**Incremental MS/SEM: 21 credit hours**

**Total MBA + MS/SEM: 53 credit hours**

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http://www.coba.usf.edu
BUSINESS ADMINISTRATION PROGRAM

Doctor of Business Administration (D.B.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Spring: November 1
Spring admission only

Minimum Total Hours: 72
Program Level: Doctoral
CIP Code: 52.0201
Dept. Code: DEA
Program (Major/College): BUD BA
Effective date: Summer 2014

CONTACT INFORMATION

College: Business
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The DBA program offered by the Muma College of Business provides its graduates with the skills needed to conduct rigorous research with the objective of applying the findings to real-world decision-making in industry and government. The Program provides for intellectual growth as students work closely with faculty in seminars, research projects, and other assignments that develop their research skills and ability to communicate their findings to a broad audience of both practitioners and researchers. It also offers students the opportunity to develop a portfolio of skills that, when combined with the extensive experience that they bring into the program, uniquely qualifies them to serve in clinical faculty positions. The curriculum is designed to build upon the breadth of business understanding that they have previously achieved as successful executives. This is achieved by offering substantive coverage of a broad variety of qualitative and quantitative research techniques and by allowing students the flexibility to focus more deeply on their personal areas of interest during the dissertation phases of the program. The degree conferred is a Doctor of Business Administration (DBA), a terminal degree so-named to differentiate it from the Ph.D. degree that specifically focuses on preparing students for an academic research career within a specific discipline. Students will complete the 3-year program in a cohort with other executives. Classes are scheduled all day for two consecutive days approximately one weekend a month for six 5-month semesters. Each semester is divided into 2 quarters, with a one month break between semesters. Face-to-face classes are heavily supplemented by online activities between face-to-face classes. The weekend format allows participants to continue carrying their careers while they master a range of applied research skills.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools; AACSB International – The Association to Advance Collegiate Schools of Business.

ACADEMIC INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements

- master’s degree or under exceptional circumstances, candidates with an undergraduate degree from a regionally accredited, or equivalent, institution with a minimum US GPA of 3.00 or equivalent. In some situations, additional preparatory course work may be required.
- at least 12 years of work experience, at least 5 of which must be at a senior managerial or executive level
- personal statement
- interview

http://www.coba.usf.edu
DEGREE PROGRAM REQUIREMENTS

Program Minimum Hours: 72 hours post-bachelors

Core Requirements 33 Credits
These courses are offered during the first four semesters of the program and have a substantial distance learning component between class meetings. They fall into three categories.

The first are designed to develop the student’s quantitative and qualitative research skills, and to provide opportunities to practice these skills in real world contexts. These required courses consist of:

- GEB 7557 Research and Writing Skills for Doctoral Students 3 credits
- QMB 6375 Applied Linear Statistical Models 3 credits
- QMB 7565 Introduction to Research Methods 3 credits
- QMB 7566 Applied Multivariate Statistical Methods 3 credits
- GEB 7911 Qualitative Research Methods in Business 3 credits

The second category is intended to provide students with exposure to research in the multi-disciplinary topics that represent the current areas of focus of the Muma College of Business. These required courses consist of:

- MAN 6726 Strategic Business Analysis 3 credits
- ISM 7406 Business Analytics 3 credits
- GEB 7XXX Creativity and Innovation 3 credits
- GEB 6457 Ethics, Law and Sustainable Business Practices 3 credits

The final category is proposed by faculty members based upon their areas of interest and expertise as well as student interests. Two of the following courses would be offered so as to provide exposure to a variety of research-related topics and activities.

- ACG 7936 Seminar on Special Topics in Accounting 3 credits
- FIN 7930 Selected Topics in Finance 3 credits
- ISM 7930 Selected Topics in MIS 3 credits
- MAN 6930 Selected Topics 3 credits
- MAR 7931 Seminar on Selected Marketing Topics 3 credits

Publication Courses 9 Credits
These courses are offered during the first three semesters of the program and have a substantial distance learning and collaboration component between class meetings, with members of the cohort being required to peer review each other’s work and make revisions. They represent an extension of previous courses, and require the students to create publishable documents, such as journal, conference and book chapter submissions. Depending upon the particular publication project, each course will have one of the following designations:

- ACG 6915 Directed Research 3 credits
- GEB 6930 Selected Topics 3 credits
- FIN 7915 Directed Research 3 credits
- ISM 7931 Directed Research 3 credits
- MAN 6911 Directed Research 3 credits
- MAR 6916 Directed Research 3 credits

Issues Courses 10 Credits
These courses are offered starting in the fourth semester of the Program, and are intended to run in parallel with proposal and dissertation activities. Although meeting according to the same schedule as regular courses, issues courses offer fewer credits than regular or publication courses, and therefore have commensurately reduced outside workloads to avoid interfering with the dissertation process. Members of the cohort select the topics from a list of proposals made by faculty members and other members of the cohort. Students may also elect to facilitate issues courses under the direction of a faculty supervisor, who acts as the instructor of record. Depending on the topic being taught, these courses may be any of the following:

http://www.coba.usf.edu
ACG 7939  Executive Issues in Accounting  2 credits
FIN 7939  Executive Issues in Finance  2 credits
GEB 7939  Executive Issues in Business  2 credits
ISM 7939  Executive Issues in MIS  2 credits
MAN 7939  Executive Issues in Management  2 credits
MAR 7939  Executive Issues in Marketing  2 credits
QMB 7939  Executive Issues in Operations Research and Operations Management  2 credits

With the approval of the DBA Program Committee, students may be permitted to substitute up to four (4) credits of independent study/directed research (e.g., ACG 7906, FIN 7906, GEB 7906, ISM 7931, MAN 7905, MAR 7910) for selected issues courses during their final year of the program.

**Dissertation Proposal Course**
4 Credits
The proposal course is offered during the student’s fourth semester. It requires the student be matched to a four (4) person Dissertation Committee and submit a dissertation proposal for approval by the Committee. For the purpose of the DBA program, the course requirements for both dissertation and doctoral project proposals are the same. Prior to the proposal course, students will take the university-mandated qualifying exam, whose results will be assessed by the DBA Committee. Proposal courses are graded Pass/Fail, and must be passed.

GEB 7981  Dissertation Preparation  4 credits

**Qualifying Exam and Doctoral Candidacy**
Per University Policy, students must be enrolled in a minimum of 2 graduate credit hours in the semester of the exam. For DBA students, this requirement will be met as part of the normal course load. Before a student enrolled in the DBA program can be admitted to doctoral candidacy, the following University requirements must be met:

- appointment of a Dissertation Committee,
- attainment of an overall and degree program Grade Point Average (GPA) of 3.00 at USF at the time of candidacy. (All “I” and “M” grades, including “IF” and “MF”, must be cleared before candidacy may be finalized.)
- successful completion of a qualifying examination
- certification by the Dissertation Committee that the above qualifications have been successfully completed.

**Dissertation/Doctoral Project**
16 Credits
Students are required to complete a dissertation or doctoral project, as approved by his or her committee.

**Dissertation**
Dissertation courses are offered every quarter throughout the student’s last year, upon satisfactory completion of at least 44 course credits, four (4) proposal credits, and Admission to Doctoral Candidacy. These courses require the student to work towards the completion of the Dissertation approved by his or her committee.

Because the DBA degree is designed to be responsive to the needs of the Candidate, there is some flexibility in the form that the Dissertation can take—subject to approval by the Committee. University policy allows for two variations in the format:
1. A traditional research dissertation
2. Collection of articles/papers

The Candidate will meet with members of the Committee during each residency of the final year of the program, and will present his or her dissertation to the Committee in the final semester of the Program. Upon successful completion of the dissertation defense presentation, the Dissertation Committee will then approve the awarding of the Degree, subject to all remaining program requirements being met, including submission of the Dissertation to the Office of Graduate Studies.
Dissertation courses are graded Pass/Fail, and must be passed. The sixteen (16) dissertation credits can be earned by taking one or more of the following courses:

- ACG 7980  Dissertation in Accounting
- FIN 7980  Dissertation
- GEB 7980  Dissertation
- ISM 7980  Dissertation
- MAN 7980  Dissertation
- MAR 7980  Dissertation

**Doctoral Project**

Or, a student may opt to complete a doctoral project in lieu of the Dissertation. Examples that could be approved might include:

1. a practice-focused book submitted for publication,
2. a write-up of a substantial work-related project in which the principles of evidence-based research were applied
3. a portfolio of related research products/activities that demonstrate knowledge creation or innovative application in a given area. Such a portfolio might include journal, book, magazine articles, conference papers and presentations.

Students completing the Doctoral Project earn their required 16 credit hours by taking the same courses specified for dissertations, which are graded Pass/Fail, and must be passed. Confirmation of successful completion of the Doctoral Project must be submitted to the Office of Graduate Studies.

**External Activity Requirements**

In addition to the Program’s course requirements, each student is required to participate in three external activities that involve meeting with academics and/or doctoral students from other institutions. Examples of such activities could include academic conferences, workshops, colloquiums, doctoral symposiums or academic association annual or regional meetings. At least one of these should include a substantial proportion of international attendees.

**Grading Requirements**

Proposal, Dissertation, and Directed Research courses are graded Pass/Fail, and must be passed. Students must complete all remaining courses with a grade of “B” or better. This is in addition to the University requirement for a 3.00 GPA overall and in the Program. Should a student fail to pass or complete a course with the required grade, the DBA Program Committee may offer an alternative activity as a substitute.

**Other Requirements**

As a result of the program’s cohort structure, normally all doctoral coursework must be completed at the University of South Florida within the DBA program. Students seeking to transfer from other programs should contact the DBA Academic Program Director prior to applying. All program requirements will normally be completed in three (3) years, as part of a cohort. In the event of unavoidable interruptions to a student’s progress, the student may petition the DBA Program Committee for an extension up to a maximum of five (5) years from the student’s original starting date. Any student not completing all program requirements within the five (5) year time period will be dropped from the program and the student would need to re-apply for admission to the program in the event he or she wishes to continue.

**COURSES**

See [http://ugs.usf.edu/course-inventory](http://ugs.usf.edu/course-inventory)
BUSINESS ADMINISTRATION PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: January 2
  - Fall admission only
Minimum Total Hours: 90
Program Level: Doctoral
CIP Code: 52.0201
Dept. Code: DEA
Program (Major/College): BUD BA
Approved: 1986

Concentrations:
- Accounting
- Economics – being terminated
- Finance
- Information Systems
- Marketing

CONTACT INFORMATION

College: Business
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Ph.D. program offered by the Muma College of Business provides its graduates with preparation for careers as college and university professors and as research and staff personnel in industry and government. The doctoral program provides for intellectual growth as students work closely with faculty in seminars, research projects, and other assignments which develop their teaching and research skills. The curriculum offers breadth of understanding of the integral components of business administration as well as depth of field specialization sufficient to permit the student to make a meaningful contribution to their discipline. The program is sufficiently flexible to allow each student to build upon his or her strengths and to accommodate students with various levels of preparation in a wide variety of fields, and in areas outside the college. However, the degree conferred is PhD in Business with a concentration in one of the departmental areas.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools; AACSB International – The Association to Advance Collegiate Schools of Business.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements

- Competitive based on GPA, GMAT or GRE
- personal statement
- recommendations
- interview
- International applicants from non-English-speaking countries must also have a TOEFL score of 550 or higher on the written version, a minimum score of 213 on the computer-based test or a 79 on the internet-based test.
DEGREE PROGRAM REQUIREMENTS

A minimum of 90 semester hours beyond the bachelor’s degree is required. This includes 21 hours of dissertation. A minimum of 45 hours of coursework must be completed at the University of South Florida.

Foundation Courses
These courses are designed to develop an appreciation of the institution of business and to help students see how their areas of specialization fit into this general picture. With the approval of the student’s program committee, a student may satisfy these requirements in any of the following ways:

A. By completing an undergraduate degree in business at an AACSB accredited institution, with an average of "B" or better in the last 60 hours, no more than 5 years prior to admission to the Ph.D. program.

B. By completing an M.B.A. degree at an AACSB accredited institution, no more than 5 years prior to admission to the Ph.D. program

C. By completing one approved course with a grade of "B" or better in each of the functional areas: Accounting, Finance, Information Systems, Management, and Marketing. All graduate-level courses at the 6000 level or above, with the exception of specific "tool" courses (e.g. statistics), will count toward this requirement.

D. By successfully petitioning the doctoral Program Committee to accept previous academic work (e.g., specialized Masters programs in business, degrees granted more than 5 years ago, etc.) in fulfillment of all or part of this requirement. Such a petition must be initiated during the first semester of the program.

CORE REQUIREMENTS
The core courses are designed to provide a strong background in Economics and to develop the student’s quantitative and statistical research skills. These courses are required of all students in the program. The College will waive a course only if the student has passed the same or equivalent course with a grade of "B" or better within the preceding five years.

The Economics requirement can be met by completing two graduate level economics courses that have been approved by the student’s program committee.

Students are required to take a one credit hour research skills course, QMB 7555, Research and Writing Skills for Doctoral students, in the first semester of the Program. Following this introductory course, the quantitative and statistical coursework is to be determined by the student’s program committee in consultation with the student. A three course series is required. An appropriate sequence should be chosen from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 6424</td>
<td>Econometrics I</td>
<td>3</td>
</tr>
<tr>
<td>ECO 6425</td>
<td>Econometrics II</td>
<td>3</td>
</tr>
<tr>
<td>ECO 7426</td>
<td>Econometrics III</td>
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<tr>
<td>ECO 7427</td>
<td>Econometrics IV</td>
<td>3</td>
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<tr>
<td>QMB 6375</td>
<td>Applied Linear Statistical Models</td>
<td>3</td>
</tr>
<tr>
<td>QMB 7565</td>
<td>Introduction to Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>QMB 7566</td>
<td>Applied Multivariate Statistical Methods</td>
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</tbody>
</table>

Any substitution of appropriate mathematics, statistical and quantitative coursework must be approved by the Doctoral Program Committee, preferably at the time of acceptance, or definitely before the student takes a substitute course. In addition, students are required to take an additional research elective approved by their advisory committee. Should a student earn a grade of "C" or lower in the core courses, the case will be brought before the Doctoral Program Committee for review. After reviewing the case, the Committee will take one of the following steps:

a. Require the student to pass an examination that covers the material relevant to the subject. A student who fails the exam on the first attempt may retake it within one year. A student who fails the exam on the second attempt will be subject to dismissal.

b. Require the student to retake the course. If the student retakes the course and fails to receive a grade of “B” or better, the student is subject to dismissal.

http://www.coba.usf.edu
Concentration Field
All students will take at least five (5) courses at the 6000 or 7000 level in an area designated as the student’s Concentration. Students are encouraged to identify courses in the concentration field that will provide experience in applying current research techniques to problems in that field. To accomplish this, the student may propose a combination of formal classroom courses and independent directed-research courses. This combination may include a year-long research seminar in which the groundwork is laid for the student’s dissertation. The specific agenda of courses will be determined by the student’s program committee. The following fields are offered: Accounting, Economics, Finance, Information Systems, Management (Inactive) and Marketing. Courses taken as part of the Foundation or Core sections may not be counted as part of the hours required for a concentration field.

Support Field (9 hours)
The support area will consist of a minimum of three courses (9 hours) from one or more of the fields listed under the concentration field, or elsewhere in the university. The support field and the concentration field cannot be taken in the same department. Courses within the support field can be selected to complement the concentration field and in special cases may include courses outside the Muma College of Business. The nature and number of the support area courses will be determined by the Student’s Program Committee in consultation with the Ph.D. coordinator of the support field department. Courses taken as part of the Foundation or Core courses may not be counted as part of the 9 hours required for support fields.

CONCENTRATIONS
Students select one of the following concentrations:

Accounting Concentration Requirements

The Accounting concentration emphasizes:
- The mastery of one or more specialized areas of accounting, such as accounting information systems, auditing, or financial accounting
- The development of requisite skills to engage in respected applied, practical and scholarly research
- The development of effective teaching skills

The concentration requires meeting the Muma College of Business foundation course requirements and completing 41 hours of coursework. The 41 hours of coursework include:
- 17 credit hours of core requirements related to economics and research methods
- 15 credit hours of accounting courses
- 9 credit hours in a support field

Economics Concentration – Being terminated.

Finance Concentration Requirements

In addition to the required core and foundation courses, the curriculum will normally include the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 6804</td>
<td>Theory of Finance</td>
<td>3</td>
</tr>
<tr>
<td>FIN 7808</td>
<td>Advanced Micro Finance</td>
<td>3</td>
</tr>
<tr>
<td>FIN 7817</td>
<td>Financial Markets</td>
<td>3</td>
</tr>
<tr>
<td>FIN 7930</td>
<td>Selected Topics in Finance</td>
<td>3, 3</td>
</tr>
<tr>
<td>FIN 7935</td>
<td>Finance Research Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

Courses taken as part of the Foundation or Core sections may not be counted as part of the hours required for the concentration.
Support Field (9 hours):
Those who elect Finance as a support field will establish their support field curriculum in consultation with their major advisors and a representative from the Finance department. Normally, a support field in Finance would require the following three courses:

FIN 6804 Theory of Finance 3
FIN 7817 Financial Markets 3
FIN 7808 Advanced Micro Finance 3

Comprehensive Qualifying Exam:
Upon completion of all coursework, students must pass a comprehensive written examination. The student’s performance on this exam should reflect familiarity with the literature, current issues and problems related to these fields. A student who fails the field exam may retake it within one year. A second failure disqualifies the student from continuing in the Ph.D. program. If the degree is not conferred within 5 calendar years of the comprehensive qualifying examination, a second and different examination must be taken. Students passing the comprehensive qualifying examination are eligible for admission to candidacy for the Ph.D. program.

Dissertation:
21 credit hours of dissertation are required for the degree.

Residency Requirements:
Ph.D. students in the College are required to complete a minimum of 15 credit hours per calendar year. Failure to meet this requirement will result in the student being placed on conditional status.

Information Systems Concentration Requirements
ISM 6124 Advanced Systems Analysis and Design*
ISM 6218 Advanced Databases Management*
ISM 6225 Distributed Information Systems*
ISM 6930 Computational Methods in Business
ISM 7910 MIS Research Seminar I
ISM 7911 Seminar in Technical IS Research
ISM 7912 Seminar in MIS Organizational Research
One additional ISM course at the 6000 level or higher. **

*Note: This requirement can be waived if a student has taken these or equivalent graduate courses in a prior program and earned a B or higher. Waiver requests for any of the courses listed above should include a copy of the course syllabus and should be submitted to the department’s Ph.D. Coordinator.

**Note that any of the three courses taken to satisfy the foundational course requirement in Information Systems can also satisfy this requirement.

Support Field (9 hours):
Students take 3 graduate courses outside of the concentration area. Courses may be taken outside of the Muma College of Business, but should complement the concentration subject area.

Comprehensive Qualifying Exam:
Upon completion of all coursework, students must pass a comprehensive examination in the concentration area. The student’s performance on this exam should reflect familiarity with the literature, current issues, and problems related to these fields.

There are two parts to the comprehensive examinations following the completion of coursework:
- A written examination and
- An oral presentation and successful defense of the student’s “second year research paper.”

Students will be considered to have passed the comprehensive exam if they pass the written exam and successfully present and defend the “second year research paper.”
Marketing Concentration Requirements

Students will be required to successfully complete a minimum of 6 doctoral-level Marketing seminars. Typically, one doctoral seminar will be offered in the Fall semester and two seminars will be offered in the Spring semester. The six required courses may be selected from the following list:

MAR 7555  Consumer Behavior Theory  
MAR 7635  Advanced Marketing Research: Design and Technique  
MAR 7667  Marketing Models and Strategy Applications  
MAR 7787  Marketing Theory and History  
MAR 7910  Independent Study in Marketing (S/U only)  
MAR 7930  Advanced Seminar in Marketing  
MAR 7931  Seminar in Selected Marketing Topics including:  
- Buyer-Seller Interaction  
- Marketing Channels, Logistics and Supply Chain Management  
- Marketing Management  
- Marketing Strategy  
- Readings in Marketing  
- Sales Management  

MAR 7980  Dissertation Research (S/U only)

In addition, students will complete a “Pro-Seminar” every Fall semester of the first year of the program. Note: The Professional Seminar does not count as one of the six required Ph. D. seminars.

Comprehensive Qualifying Examinations:
Upon completion of all coursework, students must pass the equivalent of a comprehensive examination in the concentration area. The student’s performance on these “exams” should reflect familiarity with the literature, as well as with current issues and problems related to these fields. A student who fails either of the examss may retake it within one year. A second failure disqualifies the student from continuing the Ph.D. program. If the degree is not conferred within 5 calendar years of the comprehensive qualifying examination, a second and different examination must be taken. Students passing the qualifying examination are eligible for admission to candidacy for the Ph.D. program.

The decision to administer a separate comprehensive exam for a support area will be made by the department in which the support area is taken. In the event that an interdisciplinary support area is selected, any department represented by six (6) or more semester hours may require a qualifying examination. In the event that no single department represents six semester hours or more, the student’s program committee will solicit input from the faculty teaching the courses in the support area. If a majority of those polled take the position that a separate comprehensive examination in the support area is not appropriate, the exam will not be administered. If a separate comprehensive examination is not administered in a support area, material from the support area will be integrated into the comprehensive exam in the concentration area.

Dissertation:
21 hours of dissertation are required for the degree.

Residency Requirement:
Ph.D. students in the College are required to complete a minimum of 15 hours per calendar year. Failure to meet this requirement will result in the student being placed on conditional status.

COURSES
See http://ugs.usf.edu/course-inventory
BUSINESS ADMINISTRATION (SATURDAY MBA) PROGRAM

Master of Business Administration (M.B.A.) Degree

<table>
<thead>
<tr>
<th>DEGREE INFORMATION</th>
<th>CONTACT INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Admission Deadlines:</td>
<td>College: Business</td>
</tr>
<tr>
<td>Closed for new admissions</td>
<td>Contact Information: <a href="http://www.grad.usf.edu">www.grad.usf.edu</a></td>
</tr>
<tr>
<td>Minimum Total Hours: 48</td>
<td>Other Resources:</td>
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<tr>
<td>Program Level: Masters</td>
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<tr>
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<td></td>
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<tr>
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<td></td>
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<tr>
<td>Program (Major/College): MBS BA</td>
<td></td>
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</tbody>
</table>

Also offered as: See listing under MBA Program

| THIS PROGRAM IS BEING DISCONTINUED |
ENTREPRENEURSHIP IN APPLIED TECHNOLOGIES PROGRAM

Master of Science (M.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Fall: July 1
Spring: October 15

International Admission Deadlines:
Fall: February 1
Spring: July 1
Summer: No Admit

Minimum Total Hours: 30
Program Level: Masters
CIP Code: 52.0701
Dept. Code: MAN
Program (Major/College): EAT BA
Approved: 2005

CONTACT INFORMATION

College: Business
Department: Marketing (MKT)
Contact Information: www.grad.usf.edu
Other Resources: www.entrepreneurship.usf.edu
entrepreneurship@usf.edu

PROGRAM INFORMATION

The Center for Entrepreneurship at the University of South Florida, in partnership with the Colleges of Business and Engineering, Morsani College of Medicine and the Patel College of Global Sustainability, has established a novel, innovative, and unique program in interdisciplinary Entrepreneurship in Applied Technologies. The Master’s of Science Degree Program in Entrepreneurship in Applied Technologies is a 30 credit-hour program and consists of ten (10) courses that will consolidate the Entrepreneurship education and training for successful opportunity recognition and development, technology and market assessment, technology commercialization, new venture formation, and new venture financing into a single inter-disciplinary program curriculum utilizing faculty and courses in the Colleges of Business, Engineering, Medicine, and Global Sustainability.

The program is designed such that a student may complete it in a concentrated 12-month period of study or in an 18-month period. In addition, the Masters of Science Degree in Entrepreneurship is designed so that it can be completed as part of a dual-degree program in with a traditional M.A., M.S., M.B.A., M.D., or Ph.D. program. Dual degrees include the following: Master in Business Administration (MBA), Biotechnology (M.S.), Information Systems (M.S.), Public Health (MPH), Global Sustainability (M.S.) Environmental Science (M.S.), Civil Engineering (M.S. and Ph.D.), Industrial Engineering (M.S.), Medicine (M.D.), and Biomedical Engineering (M.S. B.E. & Ph.D). The program must be completed by the student within a 5-year period following initiation.

Accreditation:
Accredited by the Association to Advance Collegiate Schools of Business and Commission on Colleges of the Southern Association of College and Schools.
ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements

- Bachelor’s degree or equivalent from a regionally accredited university
- “B” (3.0 on a 4.0 scale) average in all upper division work
- Two (2) letters of recommendation
- Letter of interest
- Statement of purpose
- Personal interview
- GRE, GMAT may be required on individual basis; MCAT or LSAT may be substituted
- Competence in Statistics, Accounting, and Finance must be demonstrated

DEGREE PROGRAM REQUIREMENTS

Total Minimum Program Hours: 30 credit hours

Core requirements – 15 credits
Electives – 15 credits

Program of Study
Course Requirements – Graduation will require successful completion of the 30 hour curriculum, with a minimum GPA of 3.00 (no grades below "C"), within a five (5) year period.

Stipends – N/A

Core Requirements - 15 hours
Must complete all five courses. *Crosslisted course, choose 1

ENT 6016  New Venture Formation (3)  *or  EIN 6935  Technology Venture Strategies (3)
ENT 6116  Business Plan Development (3)  *or  EIN 6324  Technical Entrepreneurship (3)
ENT 6126  Strategic Entrepreneurship (3)  *or  EIN 6936  Strategies in Entrepreneurship Tech (3)
ENT 6186  Strategic Market Assessment (3)  *or  EIN 6935  Strategic Market Assessments (3)
ENT 6415  Venture Capital & Private Equity (3)  *or  EIN 6934  Venture Capital & Private Equity (3)

Electives -15 hours
Select five (3hr) courses

ENT 6606  Product Development  *Or  EIN 6934  New Product Development
ENT 6930  Special Topics Entrepreneurship  *Or  MAN 6930  Special Topics in Management
ENT 6947  Advanced Topics in Entrepreneurship
MAN 6930  Global Entrepreneurship
EIN 5201  Creativity in Technology
EIN 6430  Overview of Regulated Industries
GEB 6457  Ethics, Law & Sustainable Business Practices
GMS 6095  Principles of Intellectual Property
GMS 6436  Introduction to Biotechnology
GMS 6873  Biomedical Ethics
GMS 7930  Principles of Biochemistry and Genetics
MAN 6456  Improvisation in Organizations
ENT 6155  Mergers and Acquisitions: An Entrepreneurial Perspective
Or other graduate courses which may be approved by the Program Director

Total Hours: 30

COURSES
See http://ugs.usf.edu/course-inventory or http://ce.usf.edu or http://www.entrepreneurship.usf.edu
ENTREPRENEURSHIP IN APPLIED TECHNOLOGIES AND BIOMEDICAL ENGINEERING DUAL DEGREE PROGRAM

Master of Science (M.S.) and Master of Science in Biomedical Engineering (M.S.B.E.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Refer to individual program listings for deadlines
Minimum Total Hours: 33/30
Program Level: Masters
CIP Code: 14.0501 / 52.0701
Dept. Codes: ECH / MAN
Program (Major/College): EBI EN / EAT BA

CONTACT INFORMATION

Colleges: Engineering and Business
Departments: Chemical Engineering Center for Entrepreneurship
Contact Information: www.grad.usf.edu
Other Resources: www.entrepreneurship.usf.edu entrepreneur ship@usf.edu

PROGRAM INFORMATION

The M.S. Biomedical Engineering (BME) And M.S. Entrepreneurship In Applied Technologies (EAT) Dual Degree Program is designed to prepare students who can effectively function in the complex world of Biotechnology companies (“Biotechs”). The program’s objectives are to provide a strong Biomedical foundation for technical product development and research and development along with the skill set to effectively participate in the entrepreneurship, venture capital, business, and financial aspects of Biotechs. Students will pursue appropriate coursework within both The College of Engineering and The Center For Entrepreneurship, double counting a total of nine credit hours.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements for each program. Students must satisfy the requirements for the two degrees separately. No Letters Of Recommendation are required. Refer to the individual program listings for the specific requirements for each degree.

DEGREE PROGRAM REQUIREMENTS

Course requirements:

Common Courses (counted towards both the BME and EAT degrees)
BME 6000  Biomedical Engineering  (3)
GMS 7930  Principles of Intellectual Property  (3)
EIN 6934  New Product Development  (3)

9 hrs total
## Biomedical Engineering (M.S.B.E.)

- **GMS 7930** Anatomy & Physiology for Bioengineers (3)
- **PHC 6051** Biostatistics II (3)
- **ECH 6971** Master's Thesis (6)
- **Approved BME electives** (9)
- **Common BME/EAT courses** (9)

### Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GMS 7930</td>
<td>Anatomy &amp; Physiology for Bioengineers</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6051</td>
<td>Biostatistics II</td>
<td>3</td>
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<tr>
<td>ECH 6971</td>
<td>Master's Thesis</td>
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</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>30</strong></td>
</tr>
</tbody>
</table>

## Entrepreneurship in Applied Technologies (M.S.)

- **EIN 6154** Technical Entrepreneurship (3)
- **EIN 6934** Technology Venture Strategies (3)
- **EIN 6935** Strategic Marketing Assessments (3)
- **EIN 6936** Venture Cap & Private Equity (3)
- **GMS 7930** Bio Medical Ethics (3)
- **EIN 6430** Overview of Regulated Industries (3)
- **EIN 6936** Strategies in Entrep Technology (3)
- **Common BME/EAT courses** (9)

### Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
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<td>EIN 6154</td>
<td>Technical Entrepreneurship</td>
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<tr>
<td>EIN 6934</td>
<td>Technology Venture Strategies</td>
<td>3</td>
</tr>
<tr>
<td>EIN 6935</td>
<td>Strategic Marketing Assessments</td>
<td>3</td>
</tr>
<tr>
<td>EIN 6936</td>
<td>Venture Cap &amp; Private Equity</td>
<td>3</td>
</tr>
<tr>
<td>GMS 7930</td>
<td>Bio Medical Ethics</td>
<td>3</td>
</tr>
<tr>
<td>EIN 6430</td>
<td>Overview of Regulated Industries</td>
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<td>EIN 6936</td>
<td>Strategies in Entrep Technology</td>
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<tr>
<td></td>
<td><strong>Total</strong></td>
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</table>

### COURSES

See [http://ugs.usf.edu/course-inventory](http://ugs.usf.edu/course-inventory) or [http://ce.usf.edu](http://ce.usf.edu) or [http://www.entrepreneurship.usf.edu](http://www.entrepreneurship.usf.edu)
ENTREPRENEURSHIP IN APPLIED TECHNOLOGIES AND BIOTECHNOLOGY  
DUAL DEGREE PROGRAM

Master of Science (M.S.) Degree and 
Master of Science in Biotechnology (M.S.)

DEGREE INFORMATION

Program Admission Deadlines: 
Refer to individual program listings for deadlines

Minimum Total Hours: 33/30

Program Level: Masters

CIP Code: 14.0501 / 52.0701

Dept. Codes: ECH / MAN

Program (Major/College): EBI EN / EAT BA

CONTACT INFORMATION

Colleges: Medicine and Business
Department: Biotechnology
Center for Entrepreneurship

Contact Information: www.grad.usf.edu
Other Resources: www.entrepreneurship.usf.edu
entrepreneurship@usf.edu

PROGRAM INFORMATION

Contact Program for information

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements for each program. Students must satisfy the requirements for the two degrees separately. Refer to the individual program listings for the specific requirements for each degree.

DEGREE PROGRAM REQUIREMENTS

Refer to the individual program listings for the specific requirements for each degree.

COURSES

See http://ugs.usf.edu/course-inventory or http://ce.usf.edu or http://www.entrepreneurship.usf.edu
ENTREPRENEURSHIP IN APPLIED TECHNOLOGIES AND GLOBAL SUSTAINABILITY DUAL DEGREE PROGRAM

Master of Arts in Global Sustainability (M.A.) Degree and Master of Science in Entrepreneurship in Applied Technologies (M.S.)

DEGREE INFORMATION

Program Admission Deadlines:
Refer to respective program deadlines

Minimum Total Hours: 30/30
Program Level: Masters
CIP Code: 30.3301/52.0701
Dept Codes: GRS & MAN
Program (Major/College): GBS/CS & EAT/BA

CONTACT INFORMATION

Colleges: Business and Global Sustainability
Departments: Center for Entrepreneurship and School of Sustainability
Contact Information: www.grad.usf.edu
Other Resources: www.patel.usf.edu patel@usf.edu www.entrepreneurship.usf.edu entrepreneurship@usf.edu

PROGRAM INFORMATION

The Dual Degree Program in Global Sustainability and Entrepreneurship combines two existing programs which allows students to attain two Master’s degrees simultaneously rather than in a sequential effort. The time commitment will be about three years with a total of 51 credit hours between the two programs (9 hours are shared). The combination of a Master’s in Global Sustainability with a Master’s in Entrepreneurship provides students with a comprehensive understanding of concepts, tools, and skills of sustainability, and students will be able to apply these areas in a problem solving context. Students shall have the opportunity to focus on the areas of green technology and development, transport, energy, and sustainable enterprise.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements for each program. Students must satisfy the requirements for the two degrees separately. Refer to the individual program listings for the specific requirements for each degree.

DEGREE PROGRAM REQUIREMENTS

Listed below are the 9 hours of shared courses. Please refer to the specific program listings for full requirements. All graduation requirements of the individual programs apply.

Common Courses (9 credits may be counted toward both the GS and EAT degrees)
ENT 6016  New Venture Formation 3
ENT 6116  Business Plan Development 3
GMS 6095  Principles of Intellectual Property 3
ENT 6186  Strategic Market Assessment 3
ENT 6947  Applied Topics in Entrepreneurship 3
ENT 6606  Product Development 3
ENT 6415  Venture Capital and Private Equity 3
All Dual Master’s in Global Sustainability and Entrepreneurship students must complete ENT 6016 (New Venture Formation), ENT 6186 (Strategic Market Assessment) and ENT 6947 (Applied Topics in Entrepreneurship).

Internship
All Dual Master’s in Global Sustainability and Entrepreneurship students must complete a six (6) credit hour internship.

COURSES

See http://ugs.usf.edu/course-inventory
EXECUTIVE M.B.A. PROGRAM

Master of Business Administration (M.B.A.) Degree

DEGREE INFORMATION

<table>
<thead>
<tr>
<th>Program Admission Deadlines:</th>
<th>CONTACT INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall: June 1</td>
<td>College: Business</td>
</tr>
</tbody>
</table>

Minimum Total Hours: 48
Program Level: Masters
CIP Code: 52.0201
Dept. Code: DEA
Program (Major/College): MBA BA
Approved: 1982
Application tracks: Management
Finance

Also offered as:
Business Administration (M.B.A.)

PROGRAM INFORMATION

The weekend Executive M.B.A. is a lock-step, 20-month, AACSB accredited program designed to meet the unique needs of both mid-career managers who have demonstrated the potential to reach senior management positions, and senior managers who desire to significantly increase their personal and organizational effectiveness. The program provides an opportunity to broaden and enrich management skills, to extend knowledge of modern business techniques, and to further develop understanding of the social, political, and economic forces that shape the business environment and influence decision making. Classes are scheduled all day on two Saturdays and one Friday a month for four semesters. The weekend format allows participants to continue carrying their careers while they master a range of managerial skills.

Accreditation:
The Commission on Colleges of the Southern Association of College and Schools (SACS), AACSB International –The Association to Advance Collegiate Schools of Business.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below. The weekend Executive MBA Program requires the submission of a preliminary application and personal interview prior to official graduate studies application. Please see the program website for application forms or contact the program office.

Program Admission Requirements

- Must have a 3.00 upper-level GPA
- GMAT (may be waived)
- 5 years of management/professional experience
- Interview
- Statement of corporate approval
- International applicants from non-English-speaking countries must also have a TOEFL score of 550 or higher on the written version, a minimum score of 213 on the computer-based test or a 79 on the internet-based test.
DEGREE PROGRAM REQUIREMENTS

Executive MBA Program Curriculum *

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ACG 6026</td>
<td>Accounting Concepts for Managers</td>
<td>3</td>
</tr>
<tr>
<td>MAN 6055</td>
<td>Organizational Behavior &amp; Leadership</td>
<td>2</td>
</tr>
<tr>
<td>GEB 6445</td>
<td>Social, Ethical, Legal Systems</td>
<td>2</td>
</tr>
<tr>
<td>QMB 6305</td>
<td>Managerial Decision Analysis</td>
<td>2</td>
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<tr>
<td>ECO 6005</td>
<td>Introduction to Economic Concepts</td>
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<tr>
<td>FIN 6406</td>
<td>Financial Management</td>
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<tr>
<td>MAR 6158</td>
<td>International Marketing</td>
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<td>MAR 6815</td>
<td>Marketing Management</td>
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<td>MAN 6911</td>
<td>Direct Research</td>
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<td>FIN 6605</td>
<td>International Financial Management</td>
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<td>GEB 6930</td>
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<tr>
<td>MAN 6448</td>
<td>Negotiating Agreement and Resolving Conflict</td>
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<td>QMB 6603</td>
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<td>ISM 6021</td>
<td>Management Information Systems</td>
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<tr>
<td>FIN 6515</td>
<td>Investments</td>
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<tr>
<td>GEB6865</td>
<td>Business Problems Analysis</td>
<td>3</td>
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<tr>
<td>MAN 6305</td>
<td>Human Resource Management</td>
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<tr>
<td>MAN 6774</td>
<td>Executive Leadership</td>
<td>3</td>
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</table>

*Specific courses subject to change

Total hours: 48

During the interim summer session, each student participates in the annual ten-day Overseas Study Module, which involves on-site study of international business practices. A different country/region is selected each year. Past modules have included visits to such cities as Moscow, London, Zurich, Geneva, Brussels, Tokyo, Beijing, Shanghai, Mexico City, Buenos Aires, Rio de Janeiro, Hong Kong, Milan, and Paris.

COURSES

See [http://ugs.usf.edu/course-inventory](http://ugs.usf.edu/course-inventory)
FINANCE PROGRAM

Master of Science (M.S.) Degree

DEGREE INFORMATION

<table>
<thead>
<tr>
<th>Program Admission Deadlines:</th>
<th>CONTACT INFORMATION</th>
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</thead>
<tbody>
<tr>
<td>Fall: July 1</td>
<td>College: Business</td>
</tr>
<tr>
<td>Spring: October 15</td>
<td>Department: Finance (FIN)</td>
</tr>
<tr>
<td>Summer: March 1</td>
<td>Contact Information: <a href="http://www.coba.usf.edu">www.grad.usf.edu</a></td>
</tr>
</tbody>
</table>

International:

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<th>Program Admission Deadlines:</th>
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</thead>
<tbody>
<tr>
<td>Fall: February 1</td>
<td>College: Business</td>
</tr>
<tr>
<td>Spring: July 1</td>
<td>Department: Finance (FIN)</td>
</tr>
<tr>
<td>Summer: January 1</td>
<td>Contact Information: <a href="http://www.coba.usf.edu">www.grad.usf.edu</a></td>
</tr>
</tbody>
</table>

Minimum Total Hours: 30
Program Level: Masters
CIP Code: 52.0801
Dept. Code: FIN
Program (Major/College): FIN BA
Approved: 2006

PROGRAM INFORMATION

M.S. in Finance
The M.S. in Finance offers a curriculum that concentrates on both finance and economics concepts. Students who complete the M.S. in Finance will be better prepared to succeed in careers in the financial world, especially in positions that require specialized knowledge about various finance topics.

Accreditation
Accredited by the Commission on Colleges of the Southern Association of College and Schools (SACS). AACSB International -The Association to Advance Collegiate Schools of Business.

Major Research Areas
Finance

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements

- GMAT score of 550 or higher
- Undergraduate upper-level GPA of 3.00 or higher
- International applicants from non-English-speaking countries must also have a TOEFL score of 550 or higher on the written version, a minimum score of 213 on the computer-based test or a 79 on the internet-based test.
DEGREE PROGRAM REQUIREMENTS

A student who does not have an undergraduate degree in business must complete the following tools before taking courses for which they are prerequisites.

Pre-requisite Tools Courses - 10 hours
ACG 6026  3* Accounting Concepts for Managers
ECO 6005  3* Economics Concepts for Managers
FIN 6406   2  Financial Management
QMB 6305   2  Managerial Decision Analysis

Students must successfully (a grade of A or B) complete equivalent courses in each of these areas prior to taking MSF courses. Tools course can be waived, with the permission of the program director, if the student earned an A or B in these courses or equivalent courses at an AACSB accredited institution within five years of entering the MSF program.

Total Minimum Program Hours  30 hours

Core Quantitative Methods – 3 hours
Select one of the following:
ECO 6424   3  Econometrics I
QMB 6375   3  Applied Linear Statistical Models

Core Finance - 12 hours
FIN 6416   3  Advanced Financial Mgmt
FIN 6465   3  Financial Statement Analysis
FIN 6515   3  Investments
FIN 6445   3  Financial Policy
(FIN 6445 must be taken at the end of the program after the other core courses are completed.)

Core finance courses may be waived for students who graduated with finance majors from AACSB accredited programs within five years of entering the M.S. in Finance program. Only courses with the same content as the core finance courses can be used to satisfy the M.S. in Finance course requirements, and students must have earned grades of A or B to have such courses waived. Advanced finance courses must be substituted for waived courses.

Advanced Finance Electives - 15 hours
To satisfy the 15 hours of electives, students can complete any of the graduate courses offered in the Department of Finance or approved graduate courses offered in the Economics Department (a list of approved courses will be posted each year). Students can satisfy up to six credit hours of electives by taking graduate courses offered in other departments and colleges as long as the courses are approved in advance.

Comprehensive Exam

Additional Information Regarding Curriculum
Leadership, teamwork, communication skills and organizational change are emphasized. Much of the curriculum is delivered through case studies, class discussion, exercises, group projects, video taped role-playing, simulations, and prominent guest speakers from the local business and non-profit community. Emphasis is placed on student participation and teamwork. All courses include writing, presentation, and critical thinking skills.

COURSES
See http://ugs.usf.edu/course-inventory
MANAGEMENT PROGRAM

Master of Science (M.S.) Degree

DEGREE INFORMATION

Domestic Admission Deadlines:
  Fall Deadline: July 1
  Spring Deadline: October 15

International Deadlines:
  Fall: February 1
  Spring: July 1

Minimum Total Hours: 30
Program Level: Masters
CIP Code: 52.0101
Dept. Code: QMB
Program (Major/College): MAN BA
Approved: 1970

Concentrations:
  Project Management (PMT)

CONTACT INFORMATION

College: Business
Department: Information Systems and Decision Sciences
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

Contemporary organizations widely recognize the strategic impact of project management. Project Management provides a system for aligning strategic and business goals that focus on meeting client expectations and producing desired outcomes. The foundation of this program is project management theory, project applications, manager skills and methods, and the tools required to successfully manage and navigate organization projects.

The purpose of this program is to provide project management leaders with principles of project management; leadership and strategic analysis; creativity and analytics; organizational behavior, decision making, design and change; collaboration; agile development and scrum methodology. The program specifically focuses on project management leadership requirements, such as facilitating teamwork in diverse groups; empowering others; recognize and adapt to the constraints and opportunities of a global economy, and develop centers of excellence.

This dynamic, well-focused, progressive program provides a broad range of project management concepts and skills. Much of the curriculum is delivered through case studies, class discussion, exercise, group project, videotaped role-playing, simulations, and prominent guest speakers from local and national business and non-profit organizations. Emphasis is placed on student participation and teamwork. All courses include writing, presentations, critical thinking, analytics and creativity.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools (SACS). AACSB International - The Association to Advance Collegiate Schools of Business.
ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Students are admitted to the M.S. in Management program based on the evaluation of their application in its entirety, including:
- earned bachelor’s degree with 3.00 GPA
- GMAT or GRE scores,
- TOEFL scores (for international students only), with a minimum of a score of 79
- letters of recommendation,
- resume,
- statement of purpose, and
- relevant work experience. Students with 5 years of relevant work experience may request waiving the GMAT/GRE requirement.

DEGREE PROGRAM REQUIREMENTS

Total Minimum Hours 30

Core -14 hours
Concentration or Electives – 16 hours

The Program requires a minimum of 30 hours of coursework and may be taken either full-time or part-time. Early in the first semester, a student and the program advisor will work together to complete a formal Program of Study that will define a coherent sequence of courses to satisfy the students objectives. Students may choose the concentration or the general path with completion of electives.

Core - 14 credit hours
The following four courses provide a solid understanding of state-of-the-art research and practice covering the primary areas in the domain of Management.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 6055</td>
<td>Organizational Behavior and Leadership</td>
<td>2</td>
</tr>
<tr>
<td>MAN 6289</td>
<td>Organizational Change and Development</td>
<td>3</td>
</tr>
<tr>
<td>MAN 6930</td>
<td>Selected Topics: People Analytics</td>
<td>3</td>
</tr>
<tr>
<td>ISM 6316</td>
<td>Project Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Capstone Course
MAN 6950 | Capstone Experience in Leading Organizations | 3 |

This course is considered to be the capstone of the M.S. in Management program and as such it must be taken during one of the last two semesters of the student’s program. It integrates the topics covered in the four other core courses.

Concentration
Project Management Concentration (16 hours)
In addition to the core courses (14 credits) students can get a concentration in project management by taking 4 of the following courses from the list below, and additional electives for 4 credit hours from the list of electives previously listed.

List of courses for the Project Management concentration (students select 12 credit hours from this list)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 6448</td>
<td>Negotiating Agreement and Resolving Conflict</td>
<td>3</td>
</tr>
<tr>
<td>MAN 6607</td>
<td>Managing International Cultural Differences</td>
<td>3</td>
</tr>
<tr>
<td>MAN 6930</td>
<td>Selected Topics: Principles of Collaboration</td>
<td>3</td>
</tr>
<tr>
<td>MAN 6930</td>
<td>Selected Topics: Managing Creative Projects</td>
<td>3</td>
</tr>
<tr>
<td>MAN 6930</td>
<td>Selected Topics: Contract Management</td>
<td>3</td>
</tr>
<tr>
<td>ACG 6026</td>
<td>Accounting Concepts for Managers</td>
<td>3</td>
</tr>
</tbody>
</table>
Electives - 16 credit hours
Elective courses may be selected from additional management courses or (with prior approval by the academic advisor) other areas of specialization such as sociology, information systems, psychology, or communication. The following courses are potential electives, depending on semester and offerings.

- MAN 6147 2 Leadership Concepts
- MAN 6149 3 Leadership and Teams
- MAN 6204 3 Organization Design and Structure
- MAR 6216 3 Logistics and Physical Distribution Management
- MAN 6256 3 Politics and Control in Organization
- MAN 6305 3 Human Resource Management
- MAN 6448 3 Negotiating Agreement and Resolving Conflict
- MAN 6601 3 International Management
- MAN 6607 3 Managing International Cultural Differences
- MAN 6726 3 Strategic Planning
- MAN 6903 3 Independent Study
- MAN 6930 3 Selected Topics: Contract Management
- MAN 6930 3 Selected Topics: Principles of Collaboration
- MAN 6930 3 Selected Topics: Managing Creative Projects
- ISM 6156 3 ERP & Business Processes Management
- ISM 6328 3 Information Security and Risk Management
- ISM 6436 3 Operations and Supply Chain Management
- ACG 6026 3 Accounting Concepts for Managers
- MAR 6936 3 Logistics Systems & Analytics
- GEB 6445 2 Social, Ethical, Legal Systems
- GEB 6457 3 Ethics, Law, and Sustainable Business Practices

Practicum Option (1 to 3 hours.)
The practicum option requires students to work on an applied project related to management / project management. Typically this can occur at the student’s place of employment and is jointly supervised by a faculty member and a manager in the company. One credit of ISM 6905 would be taken for each semester to a maximum of three credits over three semesters. The practicum would count for 1-3 hours of electives.

COURSES
See http://ugs.usf.edu/course-inventory/
BUSINESS ANALYTICS AND INFORMATION SYSTEMS PROGRAM

Master of Science (M.S.) Degree

<table>
<thead>
<tr>
<th>DEGREE INFORMATION</th>
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<tr>
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<td></td>
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<tr>
<td>Fall:</td>
<td>College: Business</td>
</tr>
<tr>
<td>Spring:</td>
<td>Department: Information Systems/Decision Sciences (QMB)</td>
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<tr>
<td>Summer:</td>
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<td></td>
<td>Contact Information: <a href="http://www.grad.usf.edu">www.grad.usf.edu</a></td>
</tr>
</tbody>
</table>

International:
- Fall: February 1
- Spring: September 15
- Summer: No Admit

Minimum Total Hours: 33
Program Level: Masters
CIP Code: 11.0501
Dept. Code: QMB
Program (Major/College): BAI BA
Approved: 2002

Concentrations:
- Analytics and Business Intelligence (ABI)
- Information Assurance (CIA)

Also offered as:
- Track under Business Administration (Ph.D.) and application area in Business Administration (M.B.A.)

PROGRAM INFORMATION

The Master of Science (M.S.) in Business Analytics and Information Systems (BAIS) meets the needs of the marketplace for expertise in both information technology and management. Highly qualified individuals with motivation for leadership in information technology fields are encouraged to apply for admission to this program. Graduates of the program are in great demand by firms in the information services sector of the economy, software development organizations, management consultants, and wherever data analytics is used in industry. An Advisory Board consisting of senior business analytics and information systems executives works closely with the department to ensure that the program maintains high standards.

The BAIS program is designed for individuals who are challenged by applications of Information Systems and Information technology and who are willing to undertake a career that demands a broad rather than narrow range of skills. Students who already have considerable background either in information systems or in business coursework will make use of the built-in flexibility of the program, designing programs of study that will provide them with the best background for their careers. A faculty advisor will work closely with each student to design and monitor the most effective course sequence and optional thesis/practicum work.

Accreditation
Accredited by the Commission on Colleges of the Southern Association of College and Schools, and AACSB International – The Association to Advance Collegiate Schools of Business.
ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Students are admitted to the M.S./BAIS program based on the evaluation of their application in its entirety, including

- bachelor’s degree with a 3.00 GPA,
- GMAT or GRE scores,
- TOEFL scores (for international students only), with a minimum score of 79
- letters of recommendations,
- statement of purpose, and
- relevant work experience.

DEGREE PROGRAM REQUIREMENTS

The program requires 33 hours of coursework and may be taken either full-time or part-time. Full-time students with appropriate prerequisites may be able to complete the program in one full year (3 semesters) of study. Part-time students and full-time students who need prerequisites will typically need from 1 ½ to 3 years to complete the degree. Early in the first semester, a student and the program advisor will work together to complete a formal Program of Study that will define a coherent sequence of courses to satisfy the student’s objectives. A student may have the option to complete a master’s thesis or a Practicum project, depending upon the availability and approval of a faculty sponsor.

Prerequisites
Incoming students are expected to have the following as prerequisites:

1) One semester of a high-level, object oriented programming language (e.g., C#, C++, Java) or substantial programming experience;
2) One semester of Information Systems Analysis and Design or equivalent experience;
3) One semester of Database Systems or equivalent experience;
4) A course in Statistics
5) A course in economics, and
6) A course in financial accounting.

These required prerequisite courses may be taken concurrently with courses in the M.S./BAIS program. Prerequisite courses do not count toward the 33 credit hours of course requirements in the M.S./BAIS program.

Total Minimum Program Hours: 33 credits
Core – 12 credits
Capstone – 3 credits
Concentration or Electives – 18 credits

Technical Core – 12 credits
The following four courses provide a solid understanding of state-of-the-art research and practice in technical areas of Information Systems Management.

ISM 6124 3 Advanced Systems Analysis and Design
ISM 6218 3 Advanced Database Management
ISM 6225 3 Distributed Information Systems
ISM 6436 3 Operations and Supply Chain Processes

Capstone Course - 3 credits
ISM 6155 3 Enterprise Information Systems Management
This course is considered to be the capstone of the M.S./BAIS program and as such it must be taken during one of the last two semesters of the student’s program.
CONCENTRATION OPTIONS:
Students select from the following concentrations or complete 18 hours of electives.

ANALYTICS & BUSINESS INTELLIGENCE CONCENTRATION – 18 hours
In addition to the Technical Core and Capstone courses, students must complete the following:

Required courses – 12 credits
Students will have to complete four out of the following five courses:
ISM 6136 3 Data Mining*
ISM 6218 3 Advanced Database Management
ISM 6208 3 Data Warehousing
ISM 6137 3 Statistical Data Mining*
QMB 7566 3 Applied Multivariate Statistical Methods

In addition, graduate students who take the required four courses for this concentration and earn an average GPA of 3.00 or higher in these courses, will receive a “Joint SAS/USF Certificate in Analytics and Business Intelligence,” when they use a SAS analytics package as part of some of these courses.

*Specifically, graduate students will need to use, among other tools, SAS Enterprise Miner or an equivalent SAS analytics package in the Data Mining and Statistical Data Mining courses. Students may take both of the data mining courses, but only need to complete one of the two courses and four courses in the required courses for the concentration to be eligible for the Joint SAS/USF Certificate.

Electives – 6 credits
To complete the Analytics and Business Intelligence concentration, students will need to ensure the 33 minimum total hour requirement for the MS in BAIS program by taking additional (two or three, as needed) graduate level electives from the list of graduate electives offered by the Information Systems & Decision Sciences department or from other areas of specialization with prior approval from the academic advisor of the program.

INFORMATION ASSURANCE CONCENTRATION – 18 hours
In addition to the Technical Core and Capstone courses, students must complete the following:

Required courses – 6 credit hours
ISM 6328 3 Information Security & Risk Management
ISM 6930 3 Selected Topics: Decision Analysis for Business Continuity and Disaster Recovery

Electives – 6 credits
Any two elective courses from the set of courses listed below
ISM 6145 3 Seminar on Software Testing
ISM 6316 3 Project Management
ISM 6124 3 Advanced Systems Analysis and Design
ISM 6218 3 Advanced Database Management
ISM 6266 3 Software Architecture

Electives – 6 credits
To complete the Information Assurance concentration, students will need to ensure the 33 minimum total hour requirement for the MS in BAIS program by taking additional (two or three, as needed) graduate level electives from the list of graduate electives offered by the Information Systems & Decision Sciences department or from other areas of specialization with prior approval from the academic advisor of the program.

Electives - 18 credits
Up to eighteen credits may be selected from additional Information Systems courses or (with prior approval by the academic advisor) other areas of specialization such as areas of Management, Decision Sciences, Computer Science, Logistics, etc. Existing Course Offerings:
ISM 6124  3  Advanced Systems Analysis and Design  
ISM 6266  3  Software Architecture  
ISM 6145  3  Seminar on Software Testing  
ISM 6155  3  Enterprise Information Systems Management  
ISM 6218  3  Advanced Database Management  
ISM 6225  3  Distributed Information Systems  
ISM 6305  3  Managing the Information System Function  
ISM 6442  3  International Aspects of Information Science  
ISM 6405  3  Information and Business Intelligence  
ISM 6485  3  Electronic Commerce  
ISM 6905  1-6  Independent Study  
ISM 6930  1-6  Selected Topics in Management Information Systems  
ISM 6316  3  Project Management  
ISM 6136  3  Data Mining  
ISM 6208  3  Data Warehousing  
ISM 6056  3  Web Application Development  
ISM 6156  3  Enterprise Resource Planning & Business Process Management  
ISM 6328  3  Information Security and Risk Management

In addition, the following Special Topics are being offered:

ISM 6930  Selected Topics: Multimedia Applications  
ISM 6930  Selected Topics: Mainframe Technologies  
ISM 6137  Statistical Data Mining

Thesis Option – 6 hours
The master’s thesis option requires six credits of ISM 6971, which count as six of the 18 BAIS elective credits. The thesis must make a well-defined contribution to the research and development in an area of Information Systems.
ISM 6971  2-6  Thesis: Masters

Practicum Option – 1-6 hours
The practicum option requires an investigation of a new Information Technology artifact. The project typically occurs in the student’s place of employment and is jointly supervised by a faculty member and a manager in the company. One credit of ISM 6905 would be taken for each semester that the student works on a project. The practicum would count for one to six hours of the 18 hours of BAIS electives.

Research/Project Option – 1-3 hours
The research/project option requires working on an BAIS related project that involves research or community engagement. The project is supervised by a faculty member. One to two credits of ISM 6905 would be taken for each semester that the student works on a project. The research/project option would count for one to three hours of the 18 hours of BAIS electives.

Comprehensive Exam
In lieu of a comprehensive exam, assessments comprising the capstone course (ISM 6155) fulfill the requirements for the comprehensive assessment in the program.

Graduate Certificate Options
Note that students in the Program can also obtain graduate certificates in (1) Compliance, Risk and Anti-Money Laundering and/or (2) Information Assurance by selecting elective courses suitably.

COURSES
See http://ugs.usf.edu/course-inventory
Accelerated B.S./M.S. Program

The goal of the USF Muma College of Business integrated undergraduate-graduate program in BAIS is to provide outstanding undergraduate students an option to complete the B.S. undergraduate degree in BAIS and the M.S. graduate degree in BAIS in five years (141 total hours).

The integrated B.S./M.S. program is a 141-hour undergraduate-graduate option that allows eligible students to work towards the M.S. in BAIS degree requirements while completing their undergraduate B.S. degree. Students interested in this option will work closely with an advisor and a faculty member to develop an integrated plan of study.

General Guidelines

- **Time of admission to the program**: Students will be eligible for admission to the integrated degree program at the beginning of their Senior year in BAIS. Students must apply for admission consideration during their Junior year. Students will start taking courses in the graduate program in their Senior year.

- **Joint admission**: Students must apply to and meet admission requirements of the M.S. in BAIS graduate program.

- **Plan of study**: In consultation with an advisor and a faculty member, students will be required to prepare a Graduate Degree Action Plan. The plan will cover the entire time period of the program and it will be periodically reviewed with an advisor.

- **Advising**: Students will present their portfolio (see below for details and a plan of study in person to the integrated program committee prior to being admitted to the program.

- **Tuition charges**: Students will be required to pay graduate tuition rates when taking graduate courses.

Admission Requirements

1. Students with at least a Junior standing in their undergraduate degree program may apply for admission consideration into the integrated B.S./M.S. undergraduate/graduate program. Students will submit an Accelerated Program Interest Form that must be signed by the Graduate Program.

2. Students must have a minimum 3.25 GPA.

3. Interested students will be required to present a “portfolio” of the following credentials:
   a. Three letters of recommendation, at least two from faculty
   b. Statement of intent—a personal statement about why the student wishes to apply for the integrated program.
   c. Undergraduate transcripts.
   d. Other supporting documents (e.g., projects and papers, software, work experience, internships, etc.) should be included where possible.

4. The GMAT or GRE should be taken sometime before or during the Fall semester of the Junior year of study.

5. All applicants will need to meet any other admission requirements established for the M.S. in BAIS program.

6. The application to the integrated program will be considered as a complete package and therefore obtaining a high undergraduate GPA is not a guarantee of admission. Grades in the undergraduate BAIS core courses will be taken in consideration and will have a significant impact on the M.S./BAIS acceptance decision.

Degree Requirements

5-Year Plan of Study for Integrated B.S./M.S. Undergraduate-Graduate Program:

With appropriate planning, a total of 12 hours of graduate credit may be taken that can be applied to both the B.S. and M.S. degrees. This will reduce the minimum total credits required for both programs from 153 (120 for B.S., 33 for M.S.) to 141 credits. Specifically:

- 9 hours of graduate credit can be taken in place of the 9 hours of elective undergraduate credits. The student must earn a minimum grade of B in each graduate course that is to be counted for both degrees.
- The graduate level Operations and Supply Chain Processes course ISM 6436 can be taken in place of the comparable undergraduate course ISM 3431.
A comprehensive plan of study to complete the integrated B.S./M.S. program will be developed with the guidance of an advisor and a faculty member. A possible plan of study could be as follows. Summer sessions may also be included in the study plan.

**First and Second Year**
Courses and credits as designated for Freshman and Sophomore years.

**Third Year (Apply for Admission to Integrated B.S./M.S. Program)**
- ISM 3232 3
- ISM 3113 3
- Additional UG Courses 9

- ISM 4212 3
- ISM 4220 3
- Additional UG Courses 9

**Fourth Year (Student accepted in M.S./BAIS Program)**
- ISM 6436 3
- UG Courses 12

- ISM 4300 (B.S. Capstone) 3
- ISM 6124 3
- UG Courses or Graduate Electives 6 hours

**Fifth Year**
- ISM 6225 3
- ISM 6218 3
- Graduate Electives 6

- ISM 6155 (M.S. Capstone) 3
- Graduate Electives 12

The following courses are suggested specialization elective courses, cross-listed between the graduate and undergraduate catalog:
- ISM 6145/4930 Software Testing
- ISM 6156/4153 Enterprise Resource Planning
- ISM 6328/4323 Information Security and Risk Management
- ISM 6930/4930 Mainframe Technologies

**COURSES**
See [http://ugs.usf.edu/course-inventory](http://ugs.usf.edu/course-inventory)
MARKETING PROGRAM

Master of Science in Marketing (M.S.M) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Fall: July 1
Spring: October 15
Summer: No Admit

International:

Fall: February 1
Spring: July 1
Summer: No Admit

Minimum Total Hours: 33
Program Level: Masters
CIP Code: 52.1401
Dept. Code: MKT
Program (Major/College): MKT BA
Approved: 2007

Also offered as:
Concentration under Business Administration (Ph.D.)

CONTACT INFORMATION

College: Business
Department: Marketing (MKT)
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

Contact program for information

Accreditation
Accredited by the Commission on Colleges of the Southern Association of College and Schools. AACSB International - The Association to Advance Collegiate Schools of Business.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
To be admitted to the MS in marketing program, an applicant must:

• Take the GMAT (Graduate Management Admission Test) and score a minimum of 500 (under special circumstances a GRE score may be considered in lieu of the GMAT).
• Have a 3.00 or higher upper level undergraduate GPA from an accredited university.
• Submit two letters of recommendation from either industry or academic sources.
• Work experience is desirable.
DEGREE PROGRAM REQUIREMENTS

Total Minimum Program Hours: 30 credit hours

Core classes – 15 hours
Specialization – 9 hours
Electives – 6 hours

Prerequisites
During the first year of the program, students who are unable to waive the prerequisites will be required to take:

MAR 6815  2  Marketing Management
QMB 6305  2  Managerial Decision Analysis

These courses may be waived if taken within the last five years from an AACSB accredited program (two undergraduate marketing courses are required to substitute for MAR 6815).

Core Course Requirements (15 hours)
MAR 6936  3  Selected Topics: Creativity in Marketing
MAR 6936  3  Selected Topics: Marketing Analytics
MAR 6936  3  Selected Topics: Consumer Behavior Insights
MAR 6936  3  Selected Topics: Digital Marketing
MAR 6816  3  Marketing Strategy

Specialization in the MS (9 Hours)
Take three courses in any area of specialization:

Marketing Analytics
MAR 6646  3  Research for Marketing Managers
MAR 6936  3  Selected Topics: Data Visualization
MAR 6936  3  Selected Topics: Logistical System Analytics
ISM 6217  3  Database Administration
ISM 6316  3  Project Management
SPB 6706  3  Sports Business Analytics

Digital Marketing and Brand Management
MAR 6936  3  Selected Topics: Digital Media and E-Commerce
MAR 6936  3  Selected Topics: Brand Management
MAR 6336  3  Promotion Management
MAR 6936  3  Selected Topics: Digital Marketing
MAR 6936  3  Selected Topics: New Product Development
MAR 6936  3  Selected Topics: Innovations in Marketing

Supply Chain Management
MAR 6216  3  Logistics & Physical Distribution Management
MAR 6936  3  Selected Topics: Supply Chain Management
MAR 6936  3  Selected Topics: Logistical Systems and Analytics

Two electives from the following list or from any of the specializations above:
MAR 6936  3  Marketing Selected Topics
GEB 6527  3  Lean Six Sigma
ISM 6217  3  Database Administration
ISM 6156  3  Enterprise Resource Planning & Business Process Management
MAN 6448  3  Negotiating Agreement & Resolving Conflict
ESI 6324  3  Engineering the Supply Chain

http://www.coba.usf.edu
Electives (6 hours)
Electives will be chosen based on mutual agreement by the Director and the student. These courses may be a combination of COB courses and courses outside the College. Electives to be considered include:
- GEB 6527 3 Lean Six Sigma
- GEB 6224 3 Improvisation in Business Organizations
- MAR 6936 3 Selected Topics: Sales Force Management
- MAR 6936 3 Selected Topics courses offered periodically

Courses from other specializations
Outside electives – any 6000 level graduate course for 3 hours (e.g., appropriate courses from Anthropology, Psychology, etc.)

Practicum

Comprehensive Exam
MAR 6816, Marketing Strategy course, is the capstone course in the MS program. Students will be required to do one or more comprehensive case analyses in this course that will test their ability to integrate and synthesize various facets of marketing.

Other Requirements
To be granted an M.S. in Marketing degree, a student must have completed all of the required and elective courses with a GPA of 3.00 or higher.

COURSES
See [http://ugs.usf.edu/course-inventory](http://ugs.usf.edu/course-inventory)
REAL ESTATE PROGRAM

Master of Science in Real Estate (M.S.R.E.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
This Program is Currently Suspended for Admissions - Effective Fall 2014
Minimum Total Hours: 34
Program Level: Masters
CIP Code: 52.1501
Dept. Code: FIN
Program (Major/College): RST BA
Approved: 2009

CONTACT INFORMATION

College: Business
Department: Finance (FIN)
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

Contact program for information.

Accreditation
Accredited by the Commission on Colleges of the Southern Association of College and Schools. AACSB International - The Association to Advance Collegiate Schools of Business.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as program’s requirements.

DEGREE PROGRAM REQUIREMENTS

Prerequisites/Tools Courses 12 hours

A student who does not have an undergraduate degree in business will have to complete the following courses before taking courses in the MSRE program (semester credit hours are in parentheses):

ACG 6025  Financial Accounting  2
ACG 6075  Managerial Accounting and Control  2
ECP 6702  Managerial Economics  2
ECO 6708  Global Economic Environment of Business  2
FIN 6406  Financial Management  2
QMB 6305  Managerial Decision Analysis  2

Students must successfully (a grade of A or B) complete equivalent courses in each of these areas prior to taking M.S.R.E. courses. These courses should have been completed in an AACSB accredited program within five years of entering the M.S.R.E. program.
### Required Core/Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 6416</td>
<td>Advanced Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>REE 6045*</td>
<td>Real Estate Decisions</td>
<td>2</td>
</tr>
<tr>
<td>REE 6207*</td>
<td>Real Estate Finance</td>
<td>2</td>
</tr>
<tr>
<td>REE 6737*</td>
<td>Real Estate Development</td>
<td>3</td>
</tr>
<tr>
<td>REE 6305</td>
<td>Real Estate Investment</td>
<td>2</td>
</tr>
<tr>
<td>GIS 5049</td>
<td>GIS for Non-Majors</td>
<td>3</td>
</tr>
<tr>
<td>CGN 6933</td>
<td>Green Infrastructure and Sustainable Community</td>
<td>3</td>
</tr>
<tr>
<td>URP 6232</td>
<td>Research Methods for Urban &amp; Regional Planning</td>
<td>3</td>
</tr>
<tr>
<td>ARC 5931</td>
<td>The City</td>
<td>3</td>
</tr>
</tbody>
</table>

Core finance and real estate courses may be waived for students who graduated from AACSB accredited programs within five years of entering the M.S.R.E. program and took courses with substantively the same content. Only courses with the same content as the core finance courses can be used to satisfy the M.S.R.E. course requirements, and students must have earned a grade of A or B to have such courses waived. Advanced finance elective courses with the same total credit hours must be substituted for waived courses.

### Advance Elective Courses

Students can select any three (a minimum of nine hours) of the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 6515</td>
<td>Investments</td>
<td>3</td>
</tr>
<tr>
<td>FIN 6246</td>
<td>Advanced Money and Capital Markets</td>
<td>3</td>
</tr>
<tr>
<td>FIN 6418</td>
<td>Working Capital Management</td>
<td>3</td>
</tr>
<tr>
<td>FIN 6605</td>
<td>International Finance</td>
<td>3</td>
</tr>
<tr>
<td>REE 6938</td>
<td>Selected Topics in Real Estate</td>
<td>2-4</td>
</tr>
<tr>
<td>ECP 6614</td>
<td>Urban Economics</td>
<td>3</td>
</tr>
<tr>
<td>CGN 6933</td>
<td>Global Warming</td>
<td>1-4</td>
</tr>
<tr>
<td>TTE 5501</td>
<td>Transportation Planning and Economics</td>
<td>3</td>
</tr>
<tr>
<td>PAD 6336</td>
<td>Community Development Programs</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6627</td>
<td>Site Feasibility Analysis</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6605</td>
<td>Contemporary Urban Issues</td>
<td>3</td>
</tr>
<tr>
<td>EVR 6934</td>
<td>Management of Florida Landforms</td>
<td></td>
</tr>
<tr>
<td>GEO 6116</td>
<td>Perspectives of Environmental Thought</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6209C</td>
<td>Global Sustainability Development</td>
<td>3</td>
</tr>
<tr>
<td>ARC 6397</td>
<td>Introduction to Urban Design Theory, Methods &amp; Processes</td>
<td>3</td>
</tr>
<tr>
<td>ARC 5931</td>
<td>Special Studies in Architecture</td>
<td>1-5</td>
</tr>
</tbody>
</table>

Total program: 34 hours

### COURSES

See [http://ugs.usf.edu/course-inventory](http://ugs.usf.edu/course-inventory)
SPORT AND ENTERTAINMENT MANAGEMENT PROGRAM

Master of Science (M.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Fall: June 1
Fall Admission Only
Minimum Total Hours: 30
Program Level: Masters
CIP Code: 31.0504
Dept. Code: MAN
Program (Major/College): SMG / BA
Approved: 2014

CONTACT INFORMATION

College: Business
Department: Marketing
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

Accreditation
Accredited by the Association to Advance Collegiate Schools of Business (AACSB) and Commission on Colleges of the Southern Association of College and Schools.

Major Research Areas
Sport Management, Entertainment, Sport Business Analytics, Sport Marketing, Sport and Social Issues, American Sport Industry, Global Sport Industry, Sport Law, Sport and Entertainment Finance

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as program’s requirements.

Program Admission Requirements
- Personal Interview with a committee of program faculty
- Personal Statement addressing career focus and aspirations
- Admission to and concurrent enrollment in the USF MBA with a Concentration in Sport Business
- Minimum of 3.00/4.00 average for all graduate work completed

Because only students in good standing in the MBA with a Concentration in sport and Entertainment Management are eligible for admission, they will have already met all university and college admission criteria.

DEGREE PROGRAM REQUIREMENTS

Total Minimum Hours 30

Course Requirements 27

- SPB 6719 Sport and Entertainment Marketing Strategy* 3
- SPB 6406 Sport and Entertainment Law* 3
- SPB 6706 Sport Business Analytics* 3
- SPB 6605 Sport and Social Issues 3
- SPB 6116 Sport and Entertainment Finance 3
- SPB 6735 Global Environment of Sport 3
- SPB 6807 Social Media in Sport 3
- SPB 6608 Issues in the American Sport Industry 3
- SPB 6740 Sales and Fundraising in the Sport Industry 3
Students complete the three courses indicated with an asterisk as part of the requirements for the MBA with a Concentration in Sport Business. Because these nine hours of coursework are “shared” by the two programs, the 30 credit-hour MS in Sport and Entertainment Management requires an additional 21 hours to complete.

**Comprehensive Exam**

**Internship - 3**
SPB 6946 Internship in Sport and Entertainment Management II
Option to complete thesis in lieu of internship.

### CURRICULAR SEQUENCE

**First Fall Semester**

1st Eight Weeks:  
- GEB 6445 (2) Social, Legal, Ethical Systems (MBA)
- QMB 6603 (2) Operations Management (MBA)
- MAN 6055 (2) Organizational Behavior and Leadership (MBA)

2nd Eight Weeks:  
- FIN 6466 (2) Financial Analysis (MBA)
- MAN 6726 (2) Strategic Business Analysis (MBA)
- GEB 6215 (2) Communications Skills for Managers (MBA)

**Spring Semester**

4 Week Session  
- GEB 6226 (1) Leadership Speaker Series (MBA)

12 Week Session:  
- SPB 6719 (3) Sport and Entertainment Marketing Strategy (MBA/MS)
- SPB 6406 (3) Sport and Entertainment Law (MBA/MS)
- SPB 6706 (3) Sport Business Analytics (MBA/MS)
- SPB 6816 (3) Cont. Issues in Sport and Entertainment Management (MBA)

**Summer Semester**

Summer C  
- SPB 6946 (3) Internship in Sport and Entertainment Management I (MBA)
- GEB 6895 (4) Integrated Business Applications (MBA)

**Total MBA/SEM:**  
32 Credit Hours

**Second Fall Semester**

12 Week Session:  
- SPB 6605 (3) Sport and Social Issues (MS)
- SPB 6116 (3) Sport and Entertainment Finance (MS)
- SPB 6735 (3) Global Environment of Sport (MS)

**Second Spring**

12 Week Session  
- SPB 6807 (3) Social Media in Sport (MS)
- SPB 6608 (3) Issues in the American Sport Industry (MS)
- SPB 6715 (3) Sales and Fundraising in the Sport Industry (MS)

**Summer Semester**

Summer C  
- SPB 6946 (3) Internship in Sport and Entertainment Management II (MS) (Thesis Option)

**Incremental MS/SEM:**  
21 Credit Hours

**Total MBA+MS/SEM**  
53 Credit Hours

### COURSES

See [http://ugs.usf.edu/course-inventory](http://ugs.usf.edu/course-inventory)