Graduate Academic Catalog

2007-2008

General Information

About This Catalog

The statements set forth in this catalog are for informational purposes only and should not be construed as the basis of a contract between a student and this institution.

While the provisions of this catalog will ordinarily be applied as stated, Southern Polytechnic State University reserves the right to change any provision listed in this catalog, including but not limited to academic requirements for graduation and various fees and charges without actual notice to individual students.

Every effort will be made to keep students advised of such changes. Information on changes will be available in the Office of the Registrar and major academic program offices. It is especially important to note that it is the responsibility of the student to keep apprised of current graduation requirements for a particular degree program and current academic procedures.

Southern Polytechnic State University is an equal educational and employment opportunity institution and does not discriminate on the basis of race, color, sex, religion, creed, national origin, sexual orientation, age, or disability.

Student Rules and Regulations

The rules and regulations for Southern Polytechnic State University students are comprised of the catalog sections on Academic Regulations and Student Life Regulations. These regulations are intended to set forth the requirements of the faculty to the end that a large student body may live and work together harmoniously with a minimum of friction and misunderstanding. Each student is expected to be familiar with these catalog sections. The student is also expected to be a law-abiding citizen and to obey the laws of the City of Marietta, Cobb County, the State of Georgia, and the United States.

Responsibility for Notices

Students are expected to be aware of the contents of all general notices including those appearing on official campus bulletin boards and in the official school newspaper. Students are also expected to keep the university apprised of their current mailing address and email address. All official notifications are issued by way of email.

University Police and Crime Statistics

Southern Polytechnic is committed to a safe, healthy environment in which our students, faculty, and staff can grow professionally and personally. The University promotes strong safety policies and prompt reporting and investigation of any actions or events that would harm the well-being of any student, employee, or faculty member.

The University Police employs police officers that comply with certification, training, and all other requirements of the Peace Officers Standards and Training Council of Georgia. Our officers have arrest powers on Southern Polytechnic property, which is under the control of the Board of Regents of the University System of Georgia, and on any public or private property within five hundreds yards of property under the control of the Board of Regents.

Our officers conduct preventive patrols on campus including the residence halls; are responsible for the security of university-owned property; investigate reported crimes at the university; conduct educational programs and workshops to promote personal safety; and actively work to prevent and detect crime throughout the Southern Polytechnic campus. **Our program complies with The Jeanne Clery Disclosure of Campus Security Policy and Crime Statistics Act. Our disclosure report can be found on the police department web page at http://police.spsu.edu**

Accreditation

regionally accredited by the Commission on Colleges of the Southern

Undergraduate Degrees

Associate of Science transfer program in General Studies

Bachelor of Apparel and Textiles

Bachelor of Applied Science

Bachelor of Architecture program

Bachelor of Arts programs in:
- Business Administration
- Computer Science
- English and Professional Communication
- Mathematics
- Physics

Bachelor of Science programs in:
- Biology

Certificates

In addition to the above degree programs, SPSU also offers certificates in the following areas:

Graduate

Graduate Certificate in Business Continuity (Information Technology)
Graduate Transition Certificate in Computer Science (Computer Science)
Graduate Certificate in Information Security and Assurance (Information Technology)
Graduate Certificate in Information Technology (Information Technology)
Graduate Transition Certificate in Information Technology (Information Technology)
Graduate Certificate in Quality Assurance (Industrial Engineering Technology)
Graduate Certificate in Software Engineering (Software Engineering)
Certificate in Systems Engineering
Advanced Certificate in Systems Engineering ystemsT TP0(y Tdfo)1 nfo Tc 0.0029 Tw -25.7093ams

Quick Facts for Prospective Students

What are the qualifications I must possess in order to be considered for admission into a graduate program at SPSU?

-
-

international student

The following graduate programs have additional requirements:

M.S. in Electrical Engineering Technology:

M.S. in Information Design and Communication:

M.S. in Software Engineering:

M.S. in Systems Engineering:

What if I don't meet these qualifications?

-
-
-

What documents should I submit in order to be considered for admission?

-
-
-
-
-

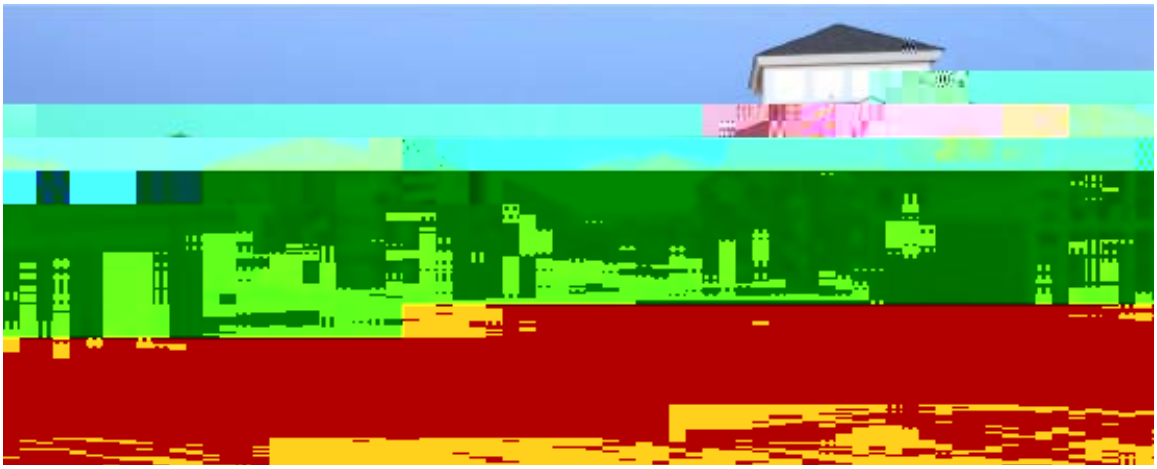
international student

Are the graduate programs at SPSU eligible for federal and other types of financial aid?

Are the graduate programs at SPSU accredited?

When do I have to have my application and other documents submitted in order to be considered for the coming term?

Graduate Admissions



General Information

This section contains information that

International Students

Admission of Students with Non-U.S. Academic Credentials

Additional Requirements for International Applicants

Readmission

Students who have an absence of two or more consecutive terms of matriculation at Southern Polytechnic State University and who are not academically dismissed must be approved by the appropriate graduate academic program

Admission Procedures and Deadlines

General Information

three months before

-
-
-
-
-
-
-

Special Accommodations

Financial Information

Index to Financial Information

Financial Aid Information

Financial Aid Information

Southern Polytechnic State University subscribes to the principle that the primary purpose of a financial assistance program is to provide aid to students who without such assistance would be unable to attend or remain in school.

The financial aid program is intended to assist students in meeting normal university expenses and to help as many students as possible. An applicant should realize, however, that the amount of financial aid granted seldom meets all the student's educational expenses.

Applying for Financial Aid

-

Maximum Time Frame Requirement

Completion Rate Requirement

Cumulative Grade Point Average Requirement

How Often Is SAP Checked?

Financial Aid Probation

Financial Aid Suspension

Tuition and Fees

Tuition and Fees
SEMESTER RATES, EFFECTIVE FALL 2007
Georgia Residents

Student Fees

Fee Payment

Registration and fee payment dates are published in the registration bulletin. Payment of fees and other charges may be made with:

-
-
-
-

The registration process is not complete until payment of fees is completed. Students who have signed an official award letter, (which signifies acceptance of the financial aid) and have registered for classes, are assumed to be students who will attend classes. The fee payment deadline for regular registration is published each term in the registration bulletin.

Delinquent Accounts

All delinquent debts and/or obligations to the University will be turned over to either a collection agency or the State Attorney General's Office for further legal collection action. All accounts turned over to a third party for legal collections will be subject to an additional collection cost of twenty five percent in addition to the original debt owed to the University.

Refund of Fees and Charges

International Student Health Insurance

Based on the guidelines provided by the American College Health Association and NAFSA: the Association of International Educators, Southern Polytechnic State University requires international students on F-1 and J-1 visas to purchase the endorsed SPSU International Student Insurance policy. Payment of this fee is mandatory and should be paid directly to the Office of Business and Finance along with payment of tuition and miscellaneous fees. Purchase of this insurance policy is mandatory each semester.

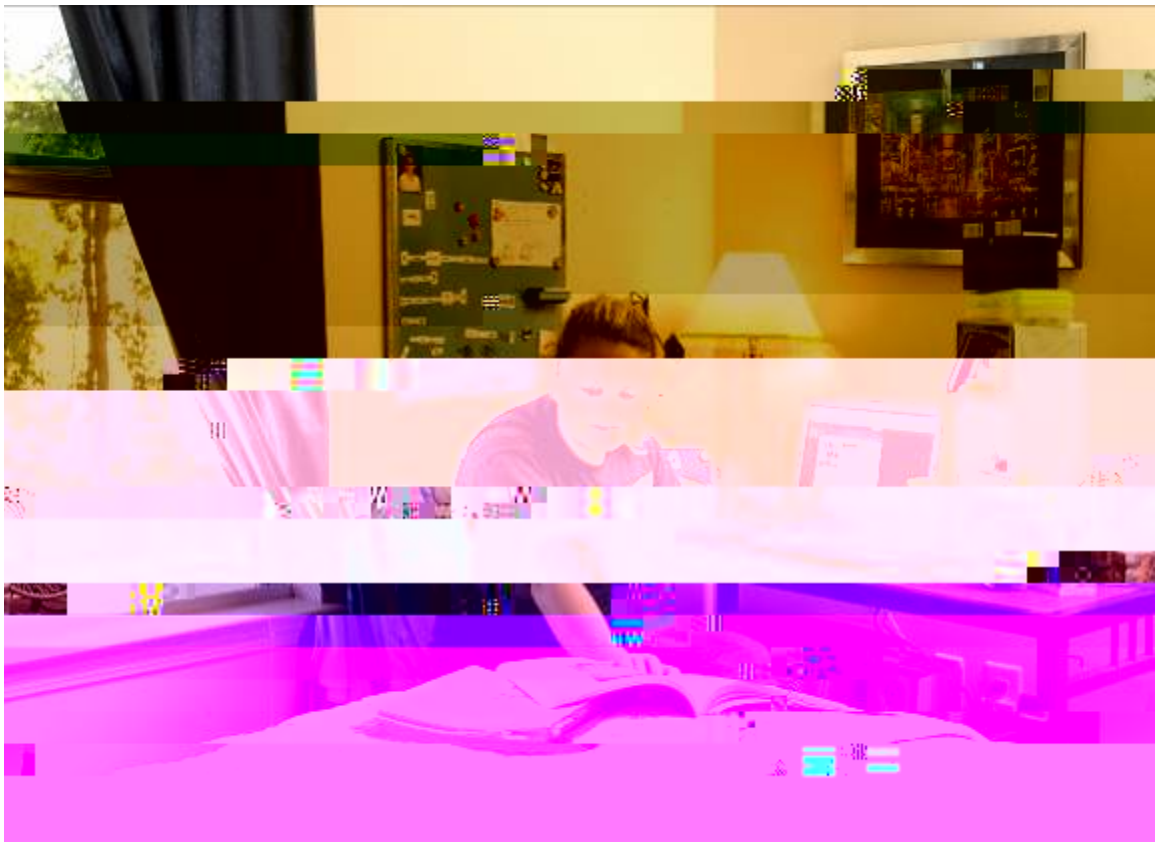
Students Sixty-two Years of Age or Older

Citizens of the State of Georgia who are 62 years of age or older may attend Southern Polytechnic State University without payment of matriculation and fees (except for supplies and laboratory or shop fees) when space is available in a course scheduled for resident credit.

To be eligible for participation under this amendment to the Georgia Constitution, such persons:

- Must present a birth certificate or other comparable written documentation of age to the Registrar's Office at the time of registration
- Must meet all University System and Southern Polytechnic State University admission requirements
- Must meet all University System, Southern Polytechnic State University, and legislated degree requirements if they are degree-seeking students

Student Life



Index to Student Life

Emergency Locator Service
Student Housing
Student Health Services
The Student Center
The Bookstore
The Post Office
Career and Counseling Center
Internship Program
Athletics and Recreational Sports
Recreational Facilities
Athletic Facilities
The Library
The ATTIC
Licensure of Professional Engineers
University Police
Extended University

Student Life

Student Health Services

The school nurse, who is on duty Monday through Friday in the clinic located in the Recreation and Wellness Center, provides limited outpatient services for minor illnesses. If the nurse cannot provide sufficient medical treatment, she may refer the student to a medical facility located near the campus. Due to the limits on the health services provided by Southern Polytechnic State University, each student is encouraged to have adequate health and accident insurance through either a personal or family insurance policy.

International students are required to have private health insurance protection. Southern Polytechnic State University is not responsible for any medical expenses incurred by international students beyond those that are covered for any student paying the Student Health Fee.

The Student Center

Southern Polytechnic State University's Student Center includes:

-
-
-
-
-
-
-

Offices for the Dean of Students, Student Activities, Student Center Operations, and Counseling & Career Services are also located in the student center.

The student center is the focal point for the majority of entertainment activities provided by the Campus Activities Board including concerts, dances, and videos. Also, the student government, newspaper, radio station, fraternity/sorority and other student organization offices are located here. The Student Center is where the Southern Polytechnic State University community comes together to eat, meet, relax, and be entertained.

The Bookstore

The Southern Polytechnic State University bookstore is located on the lower level of the Student Center. In addition to new and used textbooks, you can also purchase s

On the last day of registration and the first week of classes, the bookstore is open for extended hours.

The Post Office

The Southern Polytechnic State University Post Office is located next to the Bookstore and is open 9:00 a.m. to 5:00 p.m. Monday through Friday. Post Office boxes are available for rental by the term.

Career and Counseling Center

Counseling Services
The Career and Counseling Center offers a variety of counseling services to students, including help with personal, academic, and career concerns.

Personal concerns such as anxiety, depression, relationship problems, low self-esteem, low self-confidence, and communication issues can make it very difficult for students to gain the most from the university environment and from their classes. Professional counselors provide **individual sessions for students** seeking confidential assistance with these and other personal issues.

Part of the career development process involves increasing our self-understanding in such areas as our values, life goals, interests, and ski.1470 T08C3mow seco4(u)issrn(an)4(u)2(cpl)6onsal asm(1T.tude)-4(nts)]TJues.

Internship Program

The Southern Polytechnic State University Internship program is a short-term work experience in a professional environment where the emphasis is on learning versus earnings. It is designed

Recreational Facilities

The ATTIC

The ATTIC (Advising, Tutoring, Testing,

University Police

Southern Polytechnic is committed to a safe, healthy environment in which our students, faculty and staff can grow

Extended University

Extended University (EU) is an administrative unit reporting to the Vice President for Academic Affairs. The mission of EU is to provide services to SPSU, the business community and the community at large by extending, enhancing and expanding the traditional teaching and service roles of the un

Academic Regulations

Index to Academic Regulations

- General Information
- Student Responsibility
- Definitions
- Academic Standing
- Appeals Procedure

General Information

Student Responsibility

Definitions

Full-time

Catalog and Curriculum Appeals

-
-
-

Changing Your Student Record

Changing your major

Credit for Courses Completed More than Eight Years Prior to Graduation

Credit for Duplicate Courses or Dual Credit

Credit by Examination

Awarded at the Discretion of the Department Chair

-
-

Cross Registration

Cumulative Grade Point Average

Computing the GPA

Grade	Quality Points

Graduate student grade point averages, for the purpose of remaining in good standing or graduating from a program are computed using only those courses in the major department and those courses approved by the program faculty

Courses Taken at Other Institutions

Grade Appeals

A student who wishes to appeal a grade must present clear evidence that a grade was assigned by some criteria other than an evaluation of academic performance.

Grade Changes

Grade Reports

Grading System

Regular Grades

Lab Grades

Other Grades

Graduation Requirements

Catalog for Graduation Evaluation

-
-
-
-

Late Instructor

Maximum Credit Hours

Progress Reports

Attendance or participation in a class for which a student has not registered and paid is strictly prohibited without express permission from the office of the registrar.

Removal of Previous Major Courses

Student Activity Absence

Student Records

Transcript Request

Transient Authorization

Withdrawal from Classes

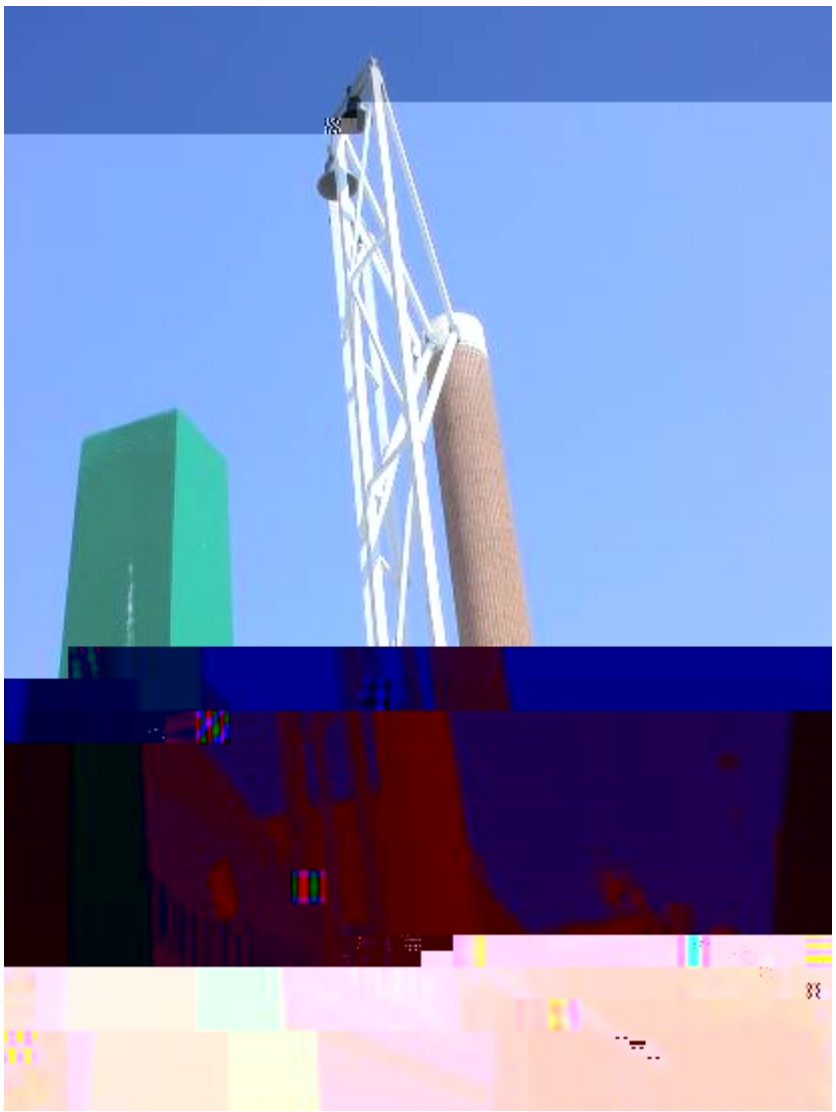
-
-
-

Refunds associated with withdrawals are made only in the case where a student withdraws completely from all classes for a term.

Withdrawals after the Deadline

all

No refunds are made for partial withdrawal.



Graduate Degree Programs

Business Administration

Offering the Master of Business Administration Degree

Master of Business Administration (MBA) Program

Admission Procedure

Admission Criteria

Advanced Admission Criteria

Admission Status

Degree Requirements for the Master of Business Administration Program

*The requirement to complete the degree is **36** semester hours at the 6000 level. Students will complete eight required courses and four electives.*

Required MBA Degree Curriculum		**Hours**
MGNT 6000	Managerial Accounting	3
MGNT 6002		3
	Corporate Finance	
MGNT 6005	Managerial Economics	3
MGNT 6004	Service & Operations Management	3
MGNT 6008	Marketing Management	3
MGNT 6010	Management of Information Technology	3
MGNT 6025	Managing Professionals	3
MGNT 6090	Strategic Management	3

Required Courses	**24 hours**
Elective Courses	**12 hours**
TOTAL HOURS	**36**

Custom Concentration

Transition Courses

MGNT 5000	Survey of Management	1.5
MGNT 5002	Survey of Financial Accounting	1.5
MGNT 5004	Survey of Managerial Accounting	1.5
MGNT 5006	Survey of Corporate Finance	1.5
MGNT 5008	Survey of Marketing	1.5
MGNT 5010	Survey of Business Law	1.5
MGNT 5012	Survey of Economics	1.5
MGNT 5014	Survey of Statistics	1.5
MGNT 5873	Strategic Environment of Business *(Marketing Principles, Legal Environment, Economics)*	3

Note: MGNT 5873 will only be offered during Fall 2007. Beginning in Spring 2008, it will be replaced by MGNT 5008, MGNT 5010, and MGNT 5012.

Transition Courses (Common Professional Core)

MGNT 5000
Survey of Management (formerly MGNT 5773)
1.5-0-1.5
Broad analysis of the many facets of management including the fundamentals of management and organization, managing people and production, planning and control, strategy, global business, ethics, and management careers.

MGNT 5002
Survey of Financial Accounting (formerly MGNT 5653)
1.5-0-1.5
A study of the underlying theory and application of financial accounting concepts.

MGNT 5004
Survey of Managerial Accounting
Prerequisite: MGNT 5002 or an undergraduate financial accounting course
1.5-0-1.5
A study of the underlying theory and application of managerial accounting concepts.

MGNT 5006
Survey of Corporate Finance(formerly MGNT 5653)
1.5-0-1.5
This course provides an introduction to financial analysis, budgeting, sources and uses of funds, management of assets, short and long run financial strategy and interpretation of financial data as these relate to the process of business decision-making.

MGNT 5008
Survey of Marketing (formerly MGNT 5873)
1.5-0-1.5
A study of the theory and principles of marketing. Emphasis will be placed upon the concept of customer satisfaction. Topics to be covered include total quality management (TQM), innovation, product distribution, cooperative associations, advertising and salesmanship, and the development of brands and trademarks.

MGNT 5010
Survey of Business Law (formerly MGNT 5873)
1.5-0-1.5
An introduction to the legal system as it applies to commercial transactions and a study of the law of contracts and torts. Ethical issues in business and the regulatory environment will also be addressed.

MGNT 5012
Survey of Economics (formerly MGNT 5873)
1.5-0-1.5
Provides and introduction to current issues in American society buttressed by reference to economic theories that assist in explaining and understanding macro and micro economic policy.

MGNT 5014
Survey of Statistics (formerly MGNT 5773)
1.5-0-1.5
An introduction to the application of statistics to business. Provides statistical techniques needed for managerial decision making. Course content includes descriptive statistics, statistical distribution, probability theory, and hypotheses testing.

Required MBA Courses

MGNT 6000
Managerial Accounting
Prerequisite: MGNT 5002 and MGNT 5004, or undergraduate financial accounting and managerial accounting courses

3-0-3

This course deals with the procedures and concepts of computing and allocating costs for reporting, pricing, planning and control, and internal decisions making. It will focus mainly on the principles and techniques dealing with

merchandise and manufacturing costing, job order and process costing, standard and conventional costing, and make or buy decision-making.

MGNT 6002
Corporate Finance
Prerequisite: MGNT 5006 or undergraduate accounting and finance courses

3-0-3

This course includes a review of capital budgeting and ratio analysis, making further extensions in the areas of probability-dependent project analysis, co-varying risks and optimal capital structure.

Exposes the student to the process of strategic decision-making. Emphasis is placed on the use of SWOT analyses in development of the strategic plan and the determination of the long-term character of the enterprise. Cases will be analyzed, and classroom presentations will be made by distinguished industrial executives and leaders.

MBA Elective Courses

MGNT 6001
Management Communications
3-0-3
Effective communication skills are essential for managers in high technology environments. This course will emphasize skill building in writing, oral presentations, interpersonal communication, and research.

MGNT 6015
Technology and Innovation Management
Prerequisite: MGNT 5000 or an undergraduate course in management principles
3-0-3
This course emphasizes innovation and creativity, and evaluation and analysis of new technology. The objective is to learn how to evaluate new technologies (either hard or soft) in order to be able to determine whether or not to make significant investments in them.

MGNT 6020
R&D Management
Prerequisite: MGNT 6015
3-0-3
A systematic examination of product innovations ranging from planning and research to development and commercialization or implementation of new product technology. Topics include pertinent business policy and strategic management issues, the process of innovation, concepts and interconnections between product and process creativity management, technology transfer, and relevant marketing issues. Students will analyze cases and complete a project.

MGNT 6022
Sales Management
Prerequisite: MGNT 5008 or an undergraduate course in marketing principles
3-0-3
Sales management will highlight the differences experienced by a sales manager from those of a manager geographically located with his or her subordinates. The “arms length” supervision requirements of sales management will better equip the student to manage and motivate any group in a business environment. Emphasis is also placed on hiring skills needed to maintain and expand a sales force.

MGNT 6024
Business-to-Business Marketing
Prerequisite: MGNT 5008 or an undergraduate course in marketing principles
3-0-3
This course focuses on the buying patterns practiced in the industrial marketplace. The course builds a foundation for the student to better understand the underlying conditions that govern an industrial marketing transaction beyond the immediate product or service that is being sought. The role of technology and its importance in the development of industrial products is explored along with the critical role of services to the products with which they are connected.

MGNT 6028
Marketing Research
Prerequisite: MGNT 5008 and MGNT 5014 or an undergraduate course in marketing principles and an undergraduate course in statistics
3-0-3
Marketing Research enables the student to conduct an opinion research project to better understand the underpinnings of a successful marketplace query. “Hand-on” experience in questionnaire design, data gathering and analysis. Student teams prepare both a written and oral presentation of the results to experience the relationship between researcher and management in the gathering and communication of research information. The statistics prerequisite enables the students to effectively utilize SPSS for Windows to manipulate the gathered data and use it to support meaningful decisions.

MGNT 6032
System Analysis and Design
Prerequisite: MGNT 6010
3-0-3

This course provides an understanding of the system development and modification process. It enables students to evaluate and choose a system development methodology. It emphasizes the factors for effective communication and integration with users and user systems. It encourages interpersonal skill development with clients, users, team members, and others associated with development, operation and maintenance of the system. Topics will include

MGNT 6065

Issues in International Management

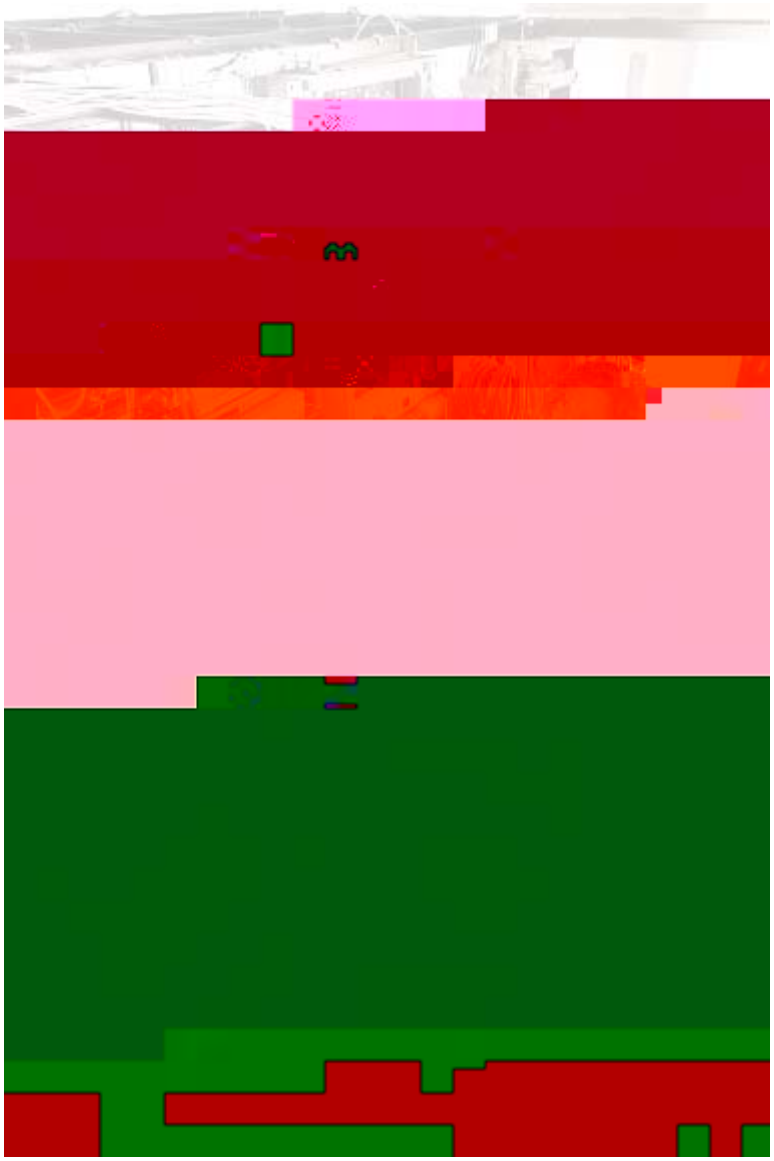
Prerequisites: MGNT 5000 or undergraduate management principles, MGNT 5006 or undergraduate finance, MGNT 5008 or undergraduate marketing) and MGNT 6005

3-0-3

This course deals with cultural, institutional, economic, and financial environments characteristic of international markets. It will focus on strategic and operational plans that managers must undertake in formulating international

Computer Science

Offering the Master of Science Degree



Graduate Certificate in Computer Science

Construction Management

Offering:

The Bachelor of Science in Construction Management

Masters Program in Construction Management

The Master of Science program in Construction Management is designed to offer education in construction and project management to:

- Practicing U.S. and international professionals educated in related disciplines such as engineering, engineering technology, business or architecture, who desire more knowledge in the construction process
- Professionals educated in construction or construction management and who wish to pursue the subject in greater depth
- Persons holding a baccalaureate or higher degree who are actively pursuing a construction industry career but lack education in construction and project management.

Program objectives are:

- To offer a degree oriented toward the practice of construction
- To deliver this graduate education in an evening and weekend setting
- To provide a program which will enhance graduates' management skills and advancement opportunities

Admissions
Admission to the Master of Science program with a major in Construction Management is open to persons holding the bachelor or higher degree from a regionally accredited college or university in:

-
-
-
-
-
-

In many cases, other degrees may be acceptable.

Preference in admission will be given to applicants having professional experience in a construction work environment. The admission procedure is competitive in that students will be admitted only if their academic accomplishments and work experience demonstrate that they can successfully complete the program.

Admission Procedure
Applicants for admission to the Master of Science program

Degree Requirements for the Master of Science program in Construction Management

CNST 6000	Information Methods	4 hours
CNST 6100	Construction Law: Contracts and Claims	4 hours
CNST 6200	Strategic Bidding and Estimating	4 hours
CNST 6600	Construction Risk Analysis and Control	4 hours
Construction Degree Option (select one of the options listed below)		20 hours
TOTAL FOR THE PROGRAM		36 hours

Elective Option

- **approved**

Thesis Option

-
-

Project Option

-
-

A grade of "C" or better is required for each course applied to the degree program

A cumulative 3.0 grade point average is required in all courses that apply to the degree.

Engineering Technology--Electrical

Offering the Master of Science Degree

Masters Program in Engineering Technology, Electrical Concentration

Admission to the Master of Science program with a major in Engineering Technology, Electrical Concentration, is open to persons holding the bachelor or higher degree in engineering, engineering technology, or a related degree from an accredited college.

Preference in admission will be given to applicants having professional experience in a technical work environment. The admission procedure is competitive in that students will be admitted only if their academic accomplishments and work experience demonstrate that they can successfully complete the program.

Admission Procedure
Applicants for admission to the Master of Science program with a major in Engineering Technology, Electrical Concentration must submit the following to the Admissions Office no later than the semester deadline date before the beginning of the semester in which the applicant plans to enroll:

- An application for admission to the program,
- An official copy of scores from the "General Test" of the Graduate Record Examination,
- An official transcript from each college the applicant has attended,
- A certificate of immunization
- At least three recommendation forms which have been completed by former or current supervisors, professors, or professional colleagues.

International students should refer to the International Students sub-section for additional admission requirements.

Admission Criteria
Applicants should have an undergraduate degree in Electrical, Computer, or Telecommunications Engineering Technology or Electrical, Computer, or Telecommunications Engineering from an accredited college or university.

Applicants must have at least a 2.75 (on the 4.00 scale) undergraduate grade point average.

Applicants must score a minimum of 500 on either the quantitative or analytic components of the General Test of the Graduate Record Examination (GRE).

Admission Status
The program coordinator in conjunction with the graduate admissions committee determines the student admission status.

Full Graduate Status students have met all the criteria shown above and have been judged acceptable by the graduate programs committee.

Post-Baccalaureate status is available to students who do not meet the admission criteria bur who are NOT seeking a degree.

Provisional students are graduate students who have not met all the criteria shown above. They are limited to designated courses, either graduate or undergraduate, during which they will be evaluated to determine their likelihood of success. Provisional students are not guaranteed full graduate status.

International Students
International applicants who do not possess a bachelor's degree from a college within the United States must submit the following additional information to the Admissions Office:

- An official transcript (translated into English) of college-level education,
- Official Course-by Course Equivalency of transcripts by an approved credentialing agency,
- Score on the Test of English as a Foreign Language (TOEFL),
- An affidavit indicating financial security.

Engineering Technology--Electrical Concentration
The scope of electrical engineering technology has become very broad as the knowledge base and applications associated with this discipline continue to expand at an accelerating pace.

The Master of Science degree is offered to meet the needs of individuals who wish to pursue advanced studies in modern electrical, electronic or computer technologies in order to fulfill their personal or career goals.

There are four principal objectives to the graduate program in Engineering Technology:

- To provide continuing in-depth technical education to individuals who hold an ABET-accredited baccalaureate degree in Electrical or Computer Engineering or Engineering Technology.

- To provide advanced studies in electrical, electronic or computer technologies to help individuals advance in their chosen careers. These individuals may work as engineers, engineer/technologists, technical managers, independent consultants, or in similar professions. To prBnies to the

Degree Requirements for the Master of Science program in Engineering Technology – Electrical Concentration

Project-Based Program

Select a minimum of 34 credit hours of courses including:

- At least 22 credit hours must be graduate-level ECET courses.
- One of the ECET courses must be ECET 6704: Project Proposal (4 credit hours).
- One of the ECET courses must be ECET 7704: Project (4 credit hours).
- Up to two courses and a maximum of 8 credit hours can be free electives. These courses must be at graduate level and may be from any department, with the exception that one 4000-level mathematics course can be used as a free elective. Transfer credit for a 4000-level mathematics free elective is not accepted. Advisor consent is required for your selection of free electives.

Research-Based Program

Select a minimum of 34 credit hours of courses including:

- At least 26 credit hours must be graduate-level ECET courses.
- One of the ECET courses must be ECET 7504: Research (4 credit hours).
- Up to two courses and a maximum of 8 credit hours can be free electives. These courses must be at graduate level and may be from any department, with the exception that one 4000-level mathematics course can be used as a free elective. Transfer credit for a 4000-level mathematics free elective is not accepted. Advisor consent is required for your selection of free electives.

Information Design and Communication

Offering the Master of SciTfi 0e Dr of gree

Masters Program in Information Design and Communication

[redacted]

ce program in

[redacted]

ter of work in the Masters program, and IDC
possible after admission.

NOTE: A grade of "B" or better is required in all courses that are applied to graduation (with the exception of the internship and thesis, which require an "S").
Graduate Certificates in Technical Communication

Required Technology and Software

Requirement:	

Graduate Certificates in Technical Communication

-
-
-
-

Information Design and Communication Graduate Courses

Information Technology

Offering the Master of Science Degree

Degree Requirements for the Master of Science program in Information Technology

• IT 6403	Windows Application Development	3 hours
• IT 6643	Issues in Information Management	3 hours
• IT 6683	Management of Information Technology **OR**	
MIS 6010	Management of Information Technology	3 hours
• IT 7883	IT Strategy and Policy (Capstone Course)	3 hours
• MGNT 6025	Managing Professionals	3 hours
• SWE 6623	Software Engineering I	3 hours
• SWE 6633	Software Project Management **OR**	
MIS 6050	Project Management	3 hours

IT Electives — Select 5 courses from the list below (all are 3 hours) — 15 hours

CS 6223	Human Factors
IT 6473	Multimedia Applications
IT 6663	Data Center Management
IT 6723	Managing Operating and Network Systems
IT 6733	Database Administration
IT 6753	Advanced Web Concepts and Applications
IT 6763	Electronic Commerce
IT 6823	Information Security Concepts and Administration
IT 7803	Thesis (students may substitute 2 thesis courses for 2 IT electives)
MGNT 6055	Total Quality Management
MGNT 6090	Strategic Management
MKTG 6010	Marketing Management
SWE 6743	Object-Oriented Analysis and Design

Other courses as approved by the Information Technology Department

TOTAL FOR THE PROGRAM 36 hours

Transition Courses

3 hMc 0.0mFe Twwesis bMie 3 holMiTh(0)=2439 3
CS(hMc 0.05 TDwwesis abase)3747(AdmSe)413(stems)TJ32
780512(S)3193(The)7(747(780Developt)TJ352 3)7 3747(hours

Graduate Certificate in Information Security and Assurance

The Graduate Certificate in Information Security and Assurance (ISA) Program is designed for IT professionals who have a bachelor's degree and have undertaken the Graduate Transition Certificate in Information Technology (or the equivalent through other coursework) to advance their knowledge in the field of information security and assurance.

Students graduating with this program will have a strong background in fundamental principles and applications of computer security and information assurance, as well as hands-on experience with security tools commonly used in industry.

Candidates must complete the three core courses in Information Security and Assurance and one elective course for a total of 12 credits.

Required Courses (9 Hours):

IT6823	Information Security Concepts and Administration	3 hours
IT6843	Ethical Hacking: Network Security and Penetration Testing	3 hours
IT6863	Database Security and Auditing	3 hours

Elective Courses (3 Hours, choose 1 from the following list):

IT6833	Wireless Security	3 hours
IT6853	Computer Forensics	3 hours
IT6873	Information Security Seminar	3 hours

Graduate Transition Certificate in Information Technology
The Graduate Transition Certificate in Information Technolog

Graduate Certificate in Information Technology

-
- **OR**
- **OR**
-
-

Information Technology Graduate Courses

Quality Assurance

Offering the Master of Science Degree

Degree Requirements for the Master of Science program in Quality Assurance

Engineering Technology Concentration

Graduate Green Belt Certificate

Software Engineering

Offering the Master of Science Degree

Masters Program in Software Engineering

Degree Requirements for the Master of Science program in Software Engineering

Project Option

-
-
-

Thesis Option

-
-
-

Transition Courses

with a grade of "B" or better

Graduate Certificate in Software Engineering

-
-

Systems Engineering

Offering the Master of Science Degree

Masters Program in Systems Engineering

Admission Criteria

-

Degree Requirements for the Master of Science program in Systems Engineering

Graduate Certificate in Systems Engineering Requirements

Advanced Graduate Certificate in Systems Engineering Requirements

Graduate Faculty Listings

Business Administration

Conn, Jennie S.

Davis, Sidney

North, Max M.

Obeidat, Muhammad A.

Richardson, Ronny

Vasa-Sideris, Sandra

Warsi, T. A.

Computer Science

Bobbie, Patrick O.

Dasigi, Venu

Faruque, Abdullah

Guzman, Juan Carlos

Harbort, Robert A., Jr.

Hung, Chih-Cheng

Karam, Orlando A.

Qian, Kai

Roth, Patricia H.

Construction Management

Banik, Gouranga C.

Engineering Technology—Electrical

Asgill, Austin B.

Fallon, Thomas J.

ThainnAssociate Professor
MSEE, Georgia Institute

Information Design and Communication

Barnum, Carol M.

Haimes -Korn, Kim

Hopper, Keith B.

Nunes, Mark

Oliver, Betty

Shauf, Michele

Smith, Herbert J.

Information Technology

Brown, Robert L.

Halstead-Nussloch, Richard

Quality Assurance and Systems Engineering

Software Engineering

Duggins, Sheryl L.

Pournaghshband, Hassan

Thomas, Barbara B.

Tsui, Frank

Southern Polytechnic State University Senior Administration

Dr. LISA A. ROSSBACHER – President

Mr. RON DEMPSEY – Executive Director of Advancement

Mr. WILLIAM GRUSZKA - Chief Information Officer

Dr. RON R. KOGER - Vice President for Student and Enrollment Services

Mr. PATRICK B. MCCORD - Vice President for Business and Finance

Institutions of the University System of Georgia

Research Universities

Regional Universities

State Universities