Graduate Academic Catalog 2012-2013

Southern Polytechnic State University in the University System of Georgia

1100 South Marietta Parkway
Marietta, Georgia 30060-2896

Southern Polytechnic State University is proud to be Georgia's Technology University. Our academic, professional, outreach and

Southern Polytechnic State University offers the following graduate programs of study:

Masters Degree Programs

(See the Graduate Catalog)

Accounting (Master of Science)

Master of Business Administration (MBA)

Computer Science (Master of Science)

Construction Management (Master of Science)

Engineering Technology (Electrical Concentration) (Master of Science)

Information Design and Communication (Master of Science)

Information Technology (Master of Science)

Instructional Design and Communication (Master of Science)

Quality Assurance (Master of Science)

Software Engineering (Master of Science)

Systems Engineering (Master of Science)

In addition to the above, SPSU also offers the following undergraduate programs:

Associates Degree Programs

General Studies (Associate of Science Transfer Program)

Bachelors Degree Programs

Apparel and Textiles (Bachelor of Apparel and Textiles)

Applied Science (Bachelor of Applied Science)

Accounting (Bachelor of Science)

Architecture (Bachelor of Architecture)

Biology (Bachelor of Science)

Biotechnology (Bachelor of Science)

Business Administration (Bachelor of Arts)

Business Administration (Bachelor of Science)

Chemistry (Bachelor of Science)

Civil Engineering (Bachelor of Civil Engineering)

Civil Engineering Technology (Bachelor of Science)

Computer Science (Bachelor of Arts)

Computer Science (Bachelor of Science)

Computer Engineering Technology (Bachelor of Science)

Construction Engineering (Bachelor of Science)

Construction Management (Bachelor of Science)

Electrical Engineering (Bachelor of Electrical Engineering)

Electrical Engineering Technology (Bachelor of Science)

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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

21202-4012, Telephone: 410-347-7700; email accreditation@abet.org, website: http://www.abet.org.

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)

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

In order for an application to be complete, all required documents must be submitted and evaluated.

- An application for admission to a graduate program
- An official transcript from each college previously attended
- Three letters of recommendation from faculty, work supervisors, clients, or professional colleagues
- A description of relevant work experience, if applicable
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Graduate Admissions

General Information

This section contains information that pertains to all graduate programs.

Admission Information – All applicants require:

A completed application form
A $20 non-refundable application fee
Three letters of reference
An official transcript from each previous college attended
Some departments require the GRE or GMAT. See admissions requirements for the specific major you are interested in for details.

All admission materials must be received by the dates in the following schedule:

Term	Deadline for Admission
Fall	July 1
Spring	November 1
Summer	April 1

Materials received after the deadline dates will be processed, but may not be processed in time to allow students to begin that term.

Admission to Southern Polytechnic State University is made without regard to race, nationality, sex, or religion.

For any information regarding admission to Southern Polytechnic State University, write:

Director of Graduate Studies
Southern Polytechnic State University
1100 South Marietta Parkway
Marietta, Georgia 30060-2896.

The university reserves the right to withdraw admission prior to or following enrollment if the student becomes ineligible as determined by the standards of the University or Board of Regents.

Each program has unique entrance requirements. For details, see the admissions requirements for the program you are interested in the pages that follow.

International Students

Students whose native language is not English must submit minimum official TOEFL scores of a total of 550 paper-based, 213 computer-based, 79 Internet-based to the Graduate Admissions Office. Also, graduates of foreign schools of higher education must be able to document that their degree is equivalent to a four year bachelor's degree awarded by an accredited United States college or university. Note: Southern Polytechnic State University reserves the right to require applicants to send their international educational credentials to an approved SPSU professional evaluation service before being considered for admission.

All international students must purchase medical insurance made available through Southern Polytechnic State University or provide proof of alternate coverage through a comparable policy.

International students applying from outside the United States must submit all admissions documents, including immunization certificates, at least 60 days prior to the above deadlines.

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

Students whose secondary education was completed outside of the United States system of education may be considered for admission with:

Acceptable foreign credentials

Graduates of foreign schools of higher education must be able to document that their degree is equivalent of a four year bachelor's degree awarded by an accredited United States college or university. Note: Southern Polytechnic State University reserves the right to require applicants to send their international educational credentials to an approved SPSU professional evaluation service before being considered for admission.

English language proficiency

Students whose native language is not English must submit minimum official TOEFL scores of a total of 550 paper-based, 213 computer-based, 79 internet-based to the Graduate Admissions Office.

Additional Requirements for International Applicants

In addition to meeting the regular admission requirements, international applicants needing a student visa (F-1 or J-1) must complete a Financial Affidavit. The Financial Affidavit must show ability to meet the financial obligations of tuition, fees and living expenses before an I-20 or acceptance letter will be issued.

Current (less than one year old) letters of financial support must accompany the Financial Affidavit. Financial Affidavit forms are available in the Admissions Office.

All international students must purchase medical insurance made available through Southern Polytechnic State University or provide proof of alternate coverage through a comparable policy.

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 for readmission before being eligible for registration. An application for readmission, together with any pertinent supporting information, must be submitted to the appropriate graduate academic program at least 20 working days before the

Satisfactory Academic Progress

Federal law requires students receiving federal student aid to maintain satisfactory academic progress as defined by the institution. The Satisfactory Academic Progress (SAP) requirements are separate from the regulations governing academic probation and suspension.

Southern Polytechnic State University's SAP requirements include:

- a maximum time frame requirement,
- a completion rate requirement, and
- a cumulative grade point average requirement.

Aid recipients must meet each of the three in order to be considered to be making SAP and to continue to receive financial aid.

Maximum Time Frame Requirement

Financial aid recipients must complete their program within 150% of the published length of the program. To figure the maximum time frame:

- First check the catalog to determine the number of credit hours required for graduation in a particular major.
- Second, multiply the required number of credit hours by 150%.
- Third subtract the number of credits transferred in toward the major.

Example: A student majoring in Construction transfers in 50 semester credit hours. It takes 128 semester hours to earn a degree; therefore, the student's maximum time frame is (128 x 150%) - 50 = 142. This student's financial aid eligibility is exhausted once he or she has attempted 142 semester hours at SPSU.

Completion Rate Requirement

In order to complete a program of study within the required time frame, the aid recipient must complete 66.7% of the hours attempted to date at SPSU. Credit hours attempted will be cumulative and will include all hours in which the student was enrolled at the end of the official drop/add period each academic term and received a grade of A, B, C, D, F, W, WF, I, IP, S, and U.

Cumulative Grade Point Average Requirement

Graduate students receiving financial aid must maintain a cumulative grade point average at or above the 3.00 minimum required for graduation. The cumulative grade point average will be computed by dividing the number of quality points earned by the total credit hours attempted for which the student received grades of A, B, C, D, F, WF, or I. No quality points are earned for an F, WF, or I.

How Often Will SAP Be Checked?

Percentage completion rates and cumulative GPA requirements will be monitored at the end of each spring semester. If a student is not making SAP at the end of any term they will be placed in one of two categories:

Financial Aid Probation

Students with a GPA of less than the required 3.00 And/or
Students with a completion rate less than the required 66.7%.

Financial Aid Suspension

Any student on financial aid probation and still not making SAP

Students on Financial Aid Probation may receive financial aid. If the student does not achieve the required completion rate and cumulative GPA requirement by the end of the probationary term, he/she will be placed on Financial Aid Suspension until the requirements are met. Students on Financial Aid Suspension may not receive financial aid.

Steps to Apply for Financial Aid

Usually, step one in applying for financial aid is to fill out the Free Application for Federal Student Aid (FAFSA), which is available online at www.fafsa.ed.gov

Although applications are processed until all federal funds are expended, students who apply by the March 1st deadline have a greater chance of receiving financial aid than those who apply late.

Aid awarded to a student one year does not mean that he or she is eligible to receive aid in a subsequent year, unless the student

encourage you to only borrow what is needed for educational related expenses.

After the student is awarded these loans, the offer must be accepted electronically via the SPSU email account. At that time instructions will be provided about completing the Master Promissory Note (MPN) and on line counseling. Once all of these requirements are completed, loan proceeds can be disbursed to the students account.

Student Fees

The Board of Regents of the University System of Georgia establishes matriculation and Non-Resident fees. All fees and charges are subject to change without notice; however, Southern Polytechnic will make every effort to communicate changes as they occur.

Fee Payment

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

- Cash
- Checks
- Approved financial aid
- Certain Credit cards

Registration fees may be paid on the SPSU web site using credit cards. On-line transactions are fully encrypted for the safety of both the student and the university. SPSU does not accept VISA.

Students who register for courses and pay appropriate fees using any acceptable method of payment shall be considered enrolled and space shall be reserved in the class(es) for the duration of the term.

Students are encouraged to register and pay fees as early as possible to avoid potential problems.

All payments returned to the University due to insufficient funds are subject to a returned check fee. Any outstanding returned check payments 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.

Cancellation of Registration

Failure to pay tuition and fees by the published deadline date can cause the cancellation of registration.

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

Refunds of fees and charges will be made only upon official withdrawal from all classes through the Registrar's Office. A student who partially withdraws (withdraws from some classes, but is still registered in other classes) after the official drop/add period *does not receive a refund*.

The Board of Regents of the University System of Georgia and the Department of Education establishes the refund policy for the university. The refund schedule is published on the Registrar's web site.

Residence hall charges are refunded on a pro-rata basis, only by separate application to the Director of Housing and Residence Life. Refunds are subject to the rules and regulations regarding student responsibilities in the residence halls, as outlined in the Student Handbook.

Where applicable, any refunds resulting from unearned financial aid will first be returned to the TitrneasisgramSygidticos3.7(yTj14.48ponsibi(l
ac08 Tc-.0017 Tw(five perce[nc)-3a TJ0 -1opy

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

The student affairs areas at Southern Polytechnic State University include:

- Student Activities
- The Student Center
- Student health services
- Recreational sports and intercollegiate athletics
- Career & Counseling services

The Dean of Students supervises a professional staff who are responsible for providing these services and activities for students. In addition, the Dean of Students should be contacted by students with hardship situations or by those who are encountering difficulties with campus life.

Emergency Locator Service

Emergency assistance in locating

In addition to meeting the internship eligibility requirements, International Students MUST obtain written eligibility authorization from the SPSU International Services Office before beginning EACH working assignment. Due to the INS regulations, International students are not permitted to intern more than one and a half-academic years for undergraduates and one academic year for graduates. Once an Internship is obtained, International

services, contact the EU Dean's Office at 678/915-3714, stop by J -330, or visit the unit's web site at: http://eu.spsu.edu.

Office of Continuing Education

The Office of Continuing Education (OCE), located in Building F, is responsible for providing all non-credit professional continuing education instruction sponsored by the university. OCE sponsors open enrollment programs in computing, engineering, business, quality, and communications. OCE also offers customized corporate training. OCE Certificate Programs feature a sequential set of courses designed to provide a body of knowledge in selected areas. Currently available certificates include:

- BICSI/SPSU Telecommunications
- Certified in Convergent Network Technology (CCNT)
- Certified Information Systems
- Certified Professional Fiber Optic Installer
- Certified Quality Manager
- CISCO Certified Network Associate (CCNA)
- Distribution Fundamentals (TDF)
- E-Business Solutions in Java
- Embedded Systems (Yamacraw)
- Linux Professional and Linux +
- Microsoft Certified Systems Administrator
- Microsoft Office Specialist
- Network + and A +
- Oracle9i Database
- Outside Plant Engineering
- Practitioner (SSCP)
- Professional Project Management Certificate
- Security +
- Security Professional (CISSP)
- Six Sigma – Green and Black Belt
- Systems Security Certified
- Web Development

Call 678/915-7240 for additional information or check the OCE web site at: http://oce.spsu.edu

Office of Distance Learning (ODL)

The Office of Distance Learning (ODL) provides administrative, marketing and technical support for distance learning activities at SPSU. SPSU has offered distance-learning options in a variety of formats since 1995. Academic programs maintain the

specialized programs that are customized to fit your needs. For more information go to: http://eu.spsu.edu/EnglishLanguageServices

Center for Teaching Excellence (CTE)

At the Center for Teaching Excellence, our job is to facilitate communication on teaching and learning issues and help SPSU continue to be an exceptional teaching-focused university.

The goals of CTE are:

- To provide state of the art teaching resources
- To promote excellence in teaching and learning
- To identify and share best practices in teaching
- To recognize and reward excellence in teaching

For more information go to: http://cte.spsu.edu

Academic Regulations

General Information

The university's academic rules and regulations are developed and approved by the faculty. The set of processes used to enforce regulations and maintain order are called administrative procedures. In general, each academic rule has an underlying administrative procedure.

For example, the criteria against which a student is judged for graduation is developed and approved by the faculty. The process that is used to examine records and declare a student eligible to graduate is an administrative procedure.

Student Responsibility

Students are expected to have read this section of the catalog and to be generally familiar with academic rules.

Students are expected to consult this section of the catalog and follow the procedures that are outlined herein when the appropriate time in their academic tenure approaches.

For example, a student who is within a year of graduating should review the graduation section and comply with the time table for petitioning to graduate.

In a pedagogical setting, students are expected to develop the ability to read and follow instructions as part of their educational e available to help students interpret what they've read and to encourage appropriate actions. However, it is in the student's best interest to ask questions when in doubt, and to seek out information from official sources rather than to allow rumor to dictate actions.

Definitions

Full-time Student – Full-time status is defined for each student level in the table below. Remember that other agencies (such as federal financial aid) may have different definitions of full-time. The definitions below are used when enrollment verifications are produced by SPSU. Note that the definition of full-time changes for summer semester.

- Part-Time Less than 4 hours (summer 3 hours)
- Half-Time 4 or 5 hours (summer 3 or 4)
- 3/4-Time 6 or 7 hours (summer 5)
- Full-Time 8 hours or more (summer 6)

NOTE: Some forms of financial aid require that a student be registered for at least 6 hours without regard to the institutional definition of a full-time student.

Part-time Student – See table above.

Good Standing– A graduate student is in good standing who has a cumulative GPA of 3.00 or higher, and is making reasonable progress toward a degree.

Grade Point Average – The grade point average is calculated by dividing the total quality points earned, by the total number of hours of credit for which grades have been received. Additional information is available on the registrar's web pages.

Phase One Registration – The first .mgiod of open registration for a term. Dates are determined by the registrar and posted to the academic bulletin. The purpose of the phase one registration is to allow current students in good standing the opportunity to secure needed classes and to provide an indicator of course needs for the university. In order to remain registered, students are required to secure their classes by paying for them either through financia

Phase Two Registration - The registration .mgiod immediately after phase one and before phase three. Phase two is intended to allow returning and new students the opportunity to make adjustments to class schedules including dropping and adding classes without penalty. In order to remain registered, students are required to secure their classes by paying for them either through financial aid, or with legal tender.

Phase Three Registration - Phase three registration includes a .mgiod of free registration that extends into the new term by several days. There is no implied or explicit intent to allow students to use regular registration and the drop/add .mgiod to "shop" for classes. The intended purpose of the drop/add .mgiod is to allowstudents ample time to develop a schedule and make necessary adjustments. Phase three is the final registration opportunity for a term and in order to remain registered, students are required to secure their classes by paying for them either through financial aid, or with legal tender.

Audit – Students who audit classes must declare their audit status during the drop/add .mgiod. Auditingprovides students with the opportunity to attend a class without penalty or risk. The "V" grade is assigned when a course has been audited. No credit is given. This grade may not be

Academic Affairs for review. The Vice President may approve or refuse the appeal.

- If the Vice President for Academic Affairs denies the appeal, upon written request to the Vice President for Academic Affairs, the student may appeal to the President. All related information will at that time be forwarded to the President for review.
- The President may approve or deny the appeal. The President is the final level of appeal.

Certificate Programs

Students admitted to a certificate program may apply the courses completed for the certificate toward a degree program if they are accepted to a degree program. Students admitted to a degree program may be awarded a related certificate based on completion of the courses in the certificate program provided they also apply for the certificate.

Changing Your Student Record

Changing your major

If any student decides to pursue a different program of study than the one originally listed on the admissions application, the student must officially change majors by applying as a new student to the desired program and meet all admissions requirements.

Changing your demographic information

Most demographic information such as address or phone number can be changed by the student using the student information system on the World Wide Web. To change your name or social security number, you must visit the registrar's office with appropriate documentation.

Note that the official means of communication between the university and students is email. It is the responsibility of the student to check their SPSU email daily for notices posted to them.

Classification of Students

Credit Hour

Definition of a Credit Hour - One credit hour corresponds to one hour per week of classroom work for a semester, or to three clock hours or its equivalent of laboratory work per week for a semester. Some exceptions exist.

(1) Courses for which the student has met the prerequisites and

(2) Courses not offered at the home institution for the given term.

Applications and additional information about cross registration can be obtained from the Registrar's Office.

Cumulative Grade Point Average

Computing the GPA

The cumulative grade point average determines the student's scholastic standing. The cumulative grade point average is

Grading System

Regular Grades

In all graduate programs, a minimum of a 3.0 G.P.A. is required. No grades below 'C' may be applied to a graduate program's requirements, and a maximum of 2 'C' grades at the level of 6000 or above may be applied to a graduate program's requirements.

The following letter grades are used to specify the level of performance in academic courses and are computed into the semester and cumulative grade point averages:

Grade	Definition	Comments
A	Excellent	
B	Good	
C	Satisfactory	Passing, but often must be repeated if needed for graduation
F	Failure	Course must be repeated if required for graduation
WF	Late Withdrawal	A grade of "WF" in a course is assigned upon official withdrawal after the midpoint of the term, and is counted in the student's scholastic average as a failing grade.

Lab Grades

For subjects including class and laboratory work, both portions are considered essential and the grades on each will be combined at the end of the semester and reported as one. Failure in either class or lab may result in failure of the entire course.

Other Grades

The following symbols are used in

Transient Authorization

Southern Polytechnic State University students planning to attend another institution for one semester and then return to Southern Polytechnic State University should complete a transient letter authorization form, available in the Registrar's Office.

Withdrawal from Classes

Students desiring to withdraw from one or more classes before the midpoint of the term may do so by:

- Completing a Request to Withdraw at the Registrar's Office
- Or withdrawing through the Web-based registration system
- Or by sending a signed fax or letter to the registrar's office

Master of Science in Accounting

The MSA is designed to be a 30-hour, online program that can be completed in one year, starting in the fall semester and ending after the summer session. Online

Admission Deadlines

Following are the dates by which your application must be complete for admission during the sessions offered in the fall and spring semesters for academic year 2009-2010.

Fall Session 1	July 1
Fall Session 2	October 1
Spring Session 1	November 1
Spring Session 2	March 1
Summer Session	April 1

Fees

The SPSU per hour cost for online courses is $295 per credit hour for both Georgia residents and for non-resident students. There is a $75 tech fee per semester. (Fees are established by the Board of Regents of the University System of Georgia and are subject to change without notice, though SPSU will make every effort to communicate changes to students as they occur.) Fees are subject to change by the Board of Regents. For current information, please go to:

http://www.spsu.edu/home/prospective/graduates/documents/Fall2009TuitionandFees.doc

Accounting

Master of Science in Accounting Program Degree Requirements

MSA Degree Curriculum

Course	Course Title	Hrs.
ACCT 6003	Accounting Theory	3
ACCT 6007	Advanced Accounting Information Control Systems	3
ACCT 6006	Advanced Management Accounting	3
ACCT 6013	Emerging Auditing Technology	3
ACCT 6021	Professional Judgment	3
ACCT 6030	Taxation of Entities	3
MGNT 6059	Legal Environment	3
ACCT 6078	Fund Accounting	3
ACCT 6058	Financial Statement Analysis	3
Electives (Select one course from the following list)		3
ACCT 6068	International Accounting	3
ACCT 6053	Business Valuation & Performance	3
ACCT 6045	Forensic Accounting	3
ACCT 6075	Tax Planning & Research	3

Transition Courses

MGNT 5002	Survey of Financial Accounting	1.5
MGNT 5004	Survey of Managerial Accounting	1.5
ACCT 5007	Intermediate Accounting I	3
ACCT 5009	Intermediate Accounting II	3
ACCT 5011	Advanced Accounting	3
ACCT 5013	Cost Accounting	3

Transition courses are not included in the 30 hour degree requirement. Admission will be provisional if any transition courses are required. A grade average of "B" or better is required for the transition courses.

MSA Sequence

The MSA course offerings are sequenced, however with the exception of two courses, there are no prerequisites. This allows students to be admitted at any point during an academic year. ACCT 6021, "Professional Judgment" and ACCT 6075, "Planning & Research, have prerequisites.

MSA students can complete the degree in one year by taking two courses per session or in two years by taking one course per session. The fall and spring semesters are divided into 2 seven-week sessions, with two courses being offered in each session, while in summer we offer a single seven-week session. Note a student must take a minimum of 2 courses per semester to receive financial aid for a semester.

Course sequence
MSA Course Sequence (May be completed in one or more years):

Semester/Sessions:	Course

Required	ACCT 6021 Professional Judgment
Electives	ACCT 6068 International Accounting
	ACCT 6058 Business Valuation and Performance
	ACCT 6045 Forensic Accounting
	ACCT 6075 Tax Planning & Research

Business Administration

Offering the Master of Business Administration Degree

Admission to the MBA program is open to persons holding the bachelor or higher degree from an accredited college.

Admission Procedure

Applicants to the MBA program must submit the following to the Admissions Office no later than the semester deadline date before the beginning of the semester in which they plan to enroll:

- An application for admission to the MBA program
- An official copy of scores from the GMAT (within the past five years)
- An official transcript from each college the applicant has attended,
- Certificate of immunization
- At least three recommendation forms which have been completed by former or current supervisor, professors, or professional colleagues.
- Statement of purpose
- A resume, while not required, is suggested.

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

Admission Criteria

Applicants for admission to the MBA program are excepted to take the GMAT exam prior to being accepted into the MBA program. Applicants must meet the following criteria:

1. Regular admission index: GMAT

business or a related area. Concentrations might be in such areas as accounting, marketing, operations and technology management, or management information systems.

Accounting: Requires taking Intermediate Accounting I and II (6 hours at the undergraduate level or as graduate transition courses). Managerial Accounting is a required course in the MBA program. Graduate accounting courses include Advanced Management Accounting, Emerging Auditing Technologies, Taxation of Entities, Advanced Accounting Information and Control

Institutions, Management of Financial Institutions, and Derivatives. (already listed as a concentration but not approved by Graduate Programs Committee)

Management: Four electives in management from such courses as International Management, Entrepreneurship, Issues in Human Resource Management, Technology and Innovation Management, Project Management, and Managerial Communication, Performance Technology (in the MS in Information Design and Communication) among others.

Management of Information Systems: Four electives in addition to Management of Information Technology (required course). Electives rotate among the following courses: Systems Analysis and Design; Database Analysis, Design, and Implementation; Advanced Database Analysis, Design, and Implementation; and Project Management or other related elective as approved.

Marketing: Four electives in marketing in addition to Marketing Management (required course). Electives rotate over two years and include such topics as Marketing Research, Consumer Behavior, Business-to-Business Marketing, and special topics courses.

Operations and Technology Management: Four electives from such courses as Technology and Innovation Management, Current Readings in Technology Management, Logistics and Supply Chain Management (MS Systems Engineer

Computer Science

Offering the Master of Science Degree

What field of study has seen more technological developments that have become part of our daily lives in just a matter of the past few decades than any other? Developments such as the Internet and email, search engines, Wi-Fi, etc., virtually unknown a few decades ago, make computer science one of the strong contenders for this distinction!

Whether you have a degree in computer science, no background in computer science, some academic experience in the field to your credit, or years of work as a computer professional under your belt, a Master of Science in Co

Master of Science Program in Computer Science Degree Requirements

CS 6123	Theory and Implementation of Programming Languages	3
CS 6223	Advanced Computer System Architecture	3
CS 6413	Theory of Computation	3
CS 6423	Algorithmic Processes	3
Electives		24
Total For The Program		36

Students need to take a total of 12 courses (36 credit hours) at the 6000 level or higher to graduate. This includes 4 required courses (see above). The remaining 8 elective courses must be from 6000-level courses as follows: 5 or more must be from CS, between 0 and 3 from SWE, and 0 or 1 from IT. (With departmental approval, courses from other departments, or up to 2 IT courses, may be included, but 5 or more courses must be CS courses.) Among the elective courses, students must include at least TWO courses from at least ONE of the following tracks. Courses in each track are given below; note that there are some 6000-level CS electives that do not appear in any of these tracks:

Research Track:

CS 6023 Research Methods and Presentations
CS 7803 Masters' Thesis (6 hours)

Software Engineering Track:

SWE 6623 Software Engineering
All other SWE 6000-level courses which have SWE 6623 as prerequisite

Systems and Architecture Track:

CS 6243: Adv. Concepts in Operating Systems
CS 6263: Computer Networks
CS 6453: Simulation and Modeling
CS 6273: Parallel and Distributed Processing
SWE 6823: Embedded Systems Analysis & Design
SWE 6843: Embedded Systems Construction & Testing
SWE 6653: Software Architecture

Media & Visualization Track:

CS 6563: Digital Image Processing and Analysis
CS 6353: Computer Graphics and Multimedia
CS 6323: Human Factors

Knowledge Engineering Track:

CS 6163: Advanced Database Systems
CS 6533: Artificial Intelligence
CS 6163: Information Retrieval and Search Engine
CS 6293: Information Security: Implementation and Application
CS 6563: Digital Image Processing and Analysis

*** Note that, although a thesis is NOT required, a thesis option is available, which requires a studen: .6.7(Iti2e)malen9 TcD-.0009 -15.3737 -174.6(43(I)-.1(ude)7.ed)]TJ-13.6202 -who[(60in[(e-.6(ns-.00Tc011 2(d)]T.6(f)-6.2*

Graduate Certificate in Computer Science

The Graduate Certificate in Computer Science is intended for those with a bachelor's degree in Computer Science or a closely related field or with a bachelor's degree in another field with professional competence or knowledge equivalent to the Graduate Transition Certificate in Computer Science. The GRE is not required.

A Graduate Certificate in Computer Science student is required to take 6 courses from those offered in the MSCS, with some constraints. More specifically, the student needs to take three MSCS core (required) courses. The other three courses e coDegr

Courses (undergraduate or baccalaureate) taken to show competency in these areas will not count toward the 36 hours required for the Graduate degree. Competency can be shown by:

- Successfully completing course-work
-

Engineering Technology--Electrical

Offering the Master of Science Degree

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.

permission of the program where the degree is housed. Ordinarily, no more than 8 hours of graduate course-work completed in this provisional status may be applied to the degree.

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 provide additional technical education to those individuals who desire to teach at the college, technical school, or high school level.
- To provide an opportunity for practicing professionals, who possess an accredited baccalaureate degree in a related discipline, to shift their career path into the electrical, electronic or computer fields.

Each graduate student will pursue an individualized course of study within the guidelines of one of the programs listed below. The student and his/her academic advisor will identify the graduate courses that will comprise that student's course of study. The courses will be chosen to:

- Meet the student's career goals
- Provide a high-quality educational experience for that student
- Satisfy the requirements of one of the programs

Master of Science Program in Engineering Technology … Electrical Concentration Degree Requirements

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 the 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 the 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.

A grade of "C" or better is required for each course within the student's graduate program and it is required that each student maintain a cumulative grade point average of 3.00 or higher in order to graduate.

In all graduate programs, a minimum of a 3.0 G.P.A. is required. No grades below 'C' may be applied to a graduate program's requirements, and a maximum of 2 'C' grades at the level of 6000 or above may be applied to a graduate program's requirements.

Graduate Programs in Information Design and Communication

The MS program in Information Design and Communication has been developed in response to a growing need for professionals in the expanding field of information design, information architecture, content development, communications management, and visual communication.

The basic objectives of the program are

• To educate those persons with diverse academic and work backgrounds who seek to begin their careers in the field of information design and communication, and

• To provide a useful credential for current information designers and technical communicators who need advanced training to move ahead in their careers, either as employees or managers of a company or as independent consultants.

The Information Design and Communication program offers students a MS Degree with the choice of three program options – an Internship Option, a Thesis Option, and an all Course Work Option. A graduate certificate in Technical Communication, and four advanced certificates in User Experience, Communication Management, Visual Communication, and User Experience.

Master of Science Program in Information Design and Communication Requirements

Admission Requirements for the Graduate Certificate in Technical Communication, the Master of Science in Information Design and Communication, and Advanced Certificates in Technical Communication:

Applicants admitted into the MS in Information Design and Communication degree program, the Technical Communication Certificate program, or the Advanced Certificate program must demonstrate strong written communication skills, a solid academic record, a good understanding of how their career goals fit within the field of technical communication, and a clear potential to contribute to the profession. All degree and certificate applicants must complete the following in order to be considered for admission:

- Completed application, including a $50 non-refundable application fee.
- One official transcript from each college attended. These must be in sealed envelopes sent directly from the school.
- Students with a GPA less than 2.75 will be required to take IDC 5001 and IDC 5002, as preconditions for acceptance into the program. A "B" or better will be required in both courses for full admission to the Graduate Program (MS or Certificate)
- Immunization certification or immunization waiver.
- Professional resume showing current and past work experience.

In addition, students must submit the following materials depending on their program:

Graduate Certificate in Technical Communication

- An application essay focusing on why the applicant has chosen an online learning environment for a graduate certificate in Technical Communication. The essay should also include a list of elective courses the applicant is most interested in taking and why these courses support the applicant's professional/academic goals. The essay should be at least 250 words.
- A timed essay. Contact the Program Assistant, Donna McPherson, tcom@spsu.edu, to schedule a day and time to write the essay. The essay topic and instructions will be sent via email, on the day scheduled. The applicant is responsible for timing the essay and sending an electronic copy back to the Department within ty2887 Te3(u to 9t1e TD-.0009 Tc-.002 Tw[(fores M(tapplicant is']TroIroi6./F1(m5704TD-.0004 Tc-.0021 Tw[(envede))6.8(o1
- A timed essay. Contact the Program Assistant, Donna McPherson, tcom@spsu.edu, to schedule a day and time to wri e the essay. The essay topic and instructions will be sent via email, on the day scheduled. The applicant is responsible for timing the essay and sending an electronic copy back to

- A portfolio reflective of your work with a description of the audience, purpose, and your role in creating each product.
- An application essay focusing on career goals and explaining how the Advanced Certificate program will help the applicant meet these goals.

MSIDC students are required to take the following courses:

IDC 6001	Professional Practices of Communication	3
IDC 6002	Information Design	3
IDC 6030	Visual Design Strategy	3
IDC 6004	Research Methods	3
IDC 6110	Communications Project Management	3
IDC Electives	Select 7 elective courses with an IDC prefix	15
IDC Option	(Select one of the options listed below)	6
Total For The Program		36

Internship Option

Internship (IDC 7601-7603)
While taking the internship, students may enroll in a maximum of 9 hours per semester:
3 hours of internship plus two courses or 6 hours of internship plus one course.

Thesis Option

Thesis (IDC 7801-7803, six-hour minimum)
When taking the thesis, students may enroll in a maximum of 9 hours per semester--to include no more than 3 hours of thesis per semester.

All Coursework Option

Select an additional 2 elective courses (6 hours) with an IDC prefix.

NOTE: Either IDC 6001 or IDC 6030 must be taken the first semester of work in the program. IDC 6002 should be taken as soon as possible after completing IDC 6001 and IDC 6030.

Elective Courses for IDC Options

IDC 6005	Visual Thinking	3
IDC 6010	Writing Across Media	3
IDC 6035	Information Graphics	3
IDC 6042	Applied Digital Graphics	3
IDC 6045	Foundations of Multimedia	3
IDC 6050	Applied Multimedia	3
IDC 6060	International Technical Communication	3
IDC 6071	User Assistance	3
IDC 6080	Professional Oral Presentations	3
IDC 6090	Medical Communication	3
IDC 6120	Usability Testing	3
IDC 6135	Website Design	3
IDC 6140	Instructional Systems Design	3
IDC 6155	Online Instructional Development	3
IDC 6145	Performance Technology	3
IDC 6150	Marketing Communication	3
IDC 6160	Rhetoric: History, Theory, and Practice	3
IDC 6175	Digital Rhetoric	3
IDC 6180	Information Architecture	3
IDC 6210	Business Analysis	3
IDC 6220	Mobile User Experience	3
IDC 6240	Content Strategy	3
IDC 6901-6903	Special Topics	1-3
IDC 7501-7503	Independent Study	1-3

Graduate students may take up to 9 hours outside of the program with prior approval from both the Graduate Coordinator and the Department Chair.

NOTE: A grade of "B" or better is required in all courses that are

Information Technology

Offering the Master of Science Degree

The Master of Science in Inform

Ruston M. Hunt Professor and Dean of Extended University
Kenneth W. Jackson Associate Professor
Christina R. Scherrer Associate Professor
William Bailey Part Time Faculty
Sandra Furterer Part Time Faculty
Diala Gammoh Part Time Faculty
Gamze Tokol-Goldsman Part Time Faculty
Ethling Hernandez Part Time Faculty

Degree Requirements for the Master of Science program in Quality Assurance

Required Core Courses (Six Courses)

QA 6602	Total Quality	3
QA 6610	Statistics for Quality Assurance	3
QA 6611	Statistical Process Control	3
QA 6613	Linear Regression Analysis	3
QA 6650	Quality Systems Design	3
QA 7403	Graduate Seminar	3

QA 6602	Total Quality	3
QA 6610	Statistics for Quality Assurance	3
QA 6611	Statistical Process Control	3
QA 6650	Quality Systems Design	3
	Total Required Hours	12

In addition, students must pass a Green Belt qualifying exam at the end of their course work to earn the Graduate Green Belt Certificate.

Note: A grade of "C" or better is required for each course

Electives:	Select 3 6000-level graduate classes in SWE or CS; at least ONE of them must be in SWE	9

For more information

For further information, contact the SyE Program Director, Dr. Renee Butler at 678-915-5414.

Master of Science in Systems Engineering Degree Requirements

The program consists of five core courses and a four course concentration. Additionally, students will either complete a thesis (6 thesis hours) and one Systems Engineering Elective or a project (SYE 6055) and two Systems Engineering Electives.

Thesis Option

SYE 6005	Introduction to Systems Engineering	3
SYE 6010 or MGNT 6050	Project Management Processes Project Management	3
SYE 6020	System Architecture	3
SYE 6025	Economic Decision Analysis	3
QA 6610	Statistics	3
SYE 7803	Thesis Hours	6
	Elective (1 course)	3
	Concentration (4 courses)	12
Program Total		36

Project Option

SYE 6005	Introduction to Systems Engineering	3
SYE 6010 or MGNT 6050	Project Management Processes Project Management	3
SYE 6020	System Architecture	3
SYE 6025	Economic Decision Analysis	3
QA 6610	Statistics	3
SYE 6055	Systems Engineering Project	3
	Electives (2 courses)	6
	Concentration (4 courses)	12
Program Total		36

Electives

A candidate must take one or two elective courses in addition to the required courses listed above. A complete list of all Systems Engineering courses is listed below. Typically the electives will be Systems Engineering courses, but courses from other programs may be taken with approval of the Program Director.

Concentration

A candidate must select four courses in a concentration. The candidate may propose a customized selection of four elective courses with approval of the Program Director. Some potential concentrations include: Software Engineering, Engineering Management, Information Systems, or Transportation Systems. The program offers three suggested concentrations: Manufacturing and Logistics Systems, Integrated Process and Product Development, and Decision Modeling.

For the concentration requirement, students are encouraged to take an integrated four-course sequence leading to a Graduate Certificate. Students should review other departments' sections of the graduate catalog for additional certificate options.

Graduate Certificate in Systems Engineering Requirements

SYE 6005	Introduction to Systems Engineering	3
SYE 6010	Project Management Processes	3
MGNT 6050	Project Management	
SYE 6020	System Architecture	3
SYE 6025	Engineering Economic Analysis	3
Total For The Certificate		12

Accounting Course Descriptions

ACCT 6000 Managerial Accounting
Prerequisites: 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.

ACCT 6000 Managerial Accounting
Prerequisites: 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.

ACCT 6003 Accounting Theory
Prerequisite: Undergraduate degree in Accounting or ACCT 5011
3-0-3

This course is a study of the theoretical structures of accounting, income recognition, and the influence of changing professional standards.

ACCT 6006 Advanced Management Accounting
Prerequisite: Undergraduate degree in accounting or ACCT 5013 or ACCT 6000
3-0-3
An advanced-level discussion of variance analysis, cost allocation, transfer pricing, and the use of modeling to solve business problems.

ACCT 6007 Advanced Accounting Information and Control Systems
Prerequisite: Undergraduate degree in accounting or ACCT 5009
3-0-3
This course focuses on the design, implementation, and evolution of accounting information with emphasis on ERP systems.

ACCT 6012 Auditing
Prerequisites: Undergraduate degree in accounting or ACCT 5009
3-0-3

Auditing processes and concepts involved in performing an examination of the financial statements and internal controls of public and privately held business entities.

ACCT 6013 Emerging Auditing Technologies
Prerequisite: Undergraduate degree in accounting or ACCT 6012
3-0-3

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 6025 Managing Professionals
Prerequisite: MGNT 5000 or an equivalent undergraduate course in management and organizational behavior
3-0-3
An applied management skills course which covers principles of management using behavioral guidelines grounded in research. Students develop and apply leadership and team-building skills through experimential learning. Topics include communication, creative problem solving, motivation, power and influence, and conflict management.

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 Information System Analysis and Design
Prerequisite: MGNT 6010
3-0-3
Provides an advanced understanding of the system development and modification process in business information systems. Introduces the factors for effective communication with and integration of users and user systems. Emphasis on analyzing, modeling and designing processes that improve business processes through the development of effective and efficient information systems. Covers system analysis, information requirements analysis and proce

students with an opportunity to apply the theories and tools that they have learned elsewhere in the curriculum to the venture creation process.

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 business activities.

MGNT 6070 Issues in Human Resource Management
Prerequisite: MGNT 5000 or an undergraduate course in management principles
3-0-3
This course covers employment practices and employment law in unionized and non-unionized settings. The focus on decision making and administrative issues for managers.

MGNT 6090 Strategic Management CAPSTONE COURSE
Prerequisite: Students should take this course within the last two semesters of the degree program, requires instructor approval.
3-0-3
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 6091-6903 Special Topics
3-0-3

MGNT 7501-7503 Independent Research
3-0-3
Prerequisite: At least half of the MBA degree completed, requires professor approval
Course covers special topics of interest to the students. Course credit and topic are arranged between instructor and student.

Note: MBA students may take selected electives in other graduate programs subject to prerequisite requirements and faculty approval.

Computer Science Graduate Courses

CS 5011 Fundamentals of Computer Architecture
Prerequisites: CSE 1301 or CS 5003
1.5-0-1.5

state-of-the-art cluster and GPGPU/CUDA machines, including a 700+ CUDA machine.

CS 6283 Real-Time Systems
Prerequisite: CS 5243/3243
3-0-3
The software development life cycle as it applies to real-time systems. Labs involve the use of a real-time operating system and an associated development environment. Related topics such as concurrent task synchronization and communication, sharing of resources, schedulability, reliability, fault tolerance, and system performance are discussed. Project included.

CS 6293 Information Security: Im plementation and Application
Prerequisites: CS 5123 and CS 5423
3-0-3
This course covers the fundamentals of computing security, access control technology, cryptographic algorithms, implementations, tools and their applications in communications and computing systems security. Topics include public key infrastructure, operating system security, database security, network security, web security, firewalls, security architecture and models, and ethical and legal issues in information security.

CS 6323 Human Factors
3-0-3
The psychological, social, and technological aspects of interaction between humans and computers. Includes usability engineering, cognitive and perceptual issues, human information processing, user-centered design approaches, and development techniques for producing appropriate systems. Major project included.

CS 6353 Computer Graphics and Multimedia
Prerequisites: CS 5123/3424 and CS 5423
3-0-3
A study of the hardware and software of computer graphics and multimedia systems from the programmer's perspective. Includes a survey of display and other media technologies, algorithms and data structures for manipulation of graphical and other media objects, and consideration of user interface design. Major project included.

CS 6363 Computer Game Design and Development
Prerequisites: CS 5123/3424
3-0-3
Topics include graphics, multimedia, visualization, animation, virtual reality simulation concepts, methods, and tools of game design and development. A team project on a game prototype is required.

CS 6413 Theory of Computation
Prerequisites: CS 5423
3-0-3
A study of topics from theoretical computer science that includes automata and languages, computability theory, and complexity theory.

CS 6423 Algorithmic Processes
Prerequisites: CS 5123/3424 and CS 5423
3-0-3

Design and analysis of algorithms. Covers the major algorithm design techniques (greedy, divide-and-conquer, brand-and-bound, etc), mathematical techniques for analyzing asymptotic complexity of algorithms, and tractability.

CS 6453 Simulation and Modeling
Prerequisites: CS 5123/3424, Matrix Algebra, and Probability and Statistics
3-0-3
The application of various modeling techniques to the understanding of computer system performance. Includes analytic modeling, queuing theory, continuous and discrete simulation methods, and the use of some simulation software tools to implement a major project.

CS 6533 Artificial Intelligence
Prerequisite: CS 5123/3424 and CS 5423
3-0-3

The primary objective of this course is to provide and introduction to the basic principles and applications of Artificial Intelligence. Covers the basic areas of artificial intelligence including problem solving, knowledge representation, reasoning, decision making, planning, perception and action, and learning -- and their applications. Students will design and implement key components of intelligent agents of modern complexity and evaluate their performance. Students are expected to develop familiarity with current research problems, research methods, and the research literature in AI.

CS 6563 Digital Image Processing and Analysis
Prerequisites: CS 5123 and CS 5423
3-0-3
Theory and application of digital image processing. Topics include sensing, sampling and quantization, image enhancement and restoration, image transforms, geometrical image modifications, edge detection, image segmentation and classification, image coding, feature extraction, image representation, morphological image processing, and parallel image processing. Applications include satellite images and biomedical images.

CS 6593 Selected Topics in Artificial Intelligence
Prerequisites: As determined by the Instructor and Department Chair
3-0-3
In-depth study of .0008aaon and,Tm-.002y8 Tw[(to the bol6my18.9 Tc-.0g,)3.4

CS 7803 Masters Thesis
Prerequisite: Consent of the Department Chair and the Thesis Advisor
3-0-3
The thesis is designed for students wanting a research focus to their degree. The student works independently under the supervision of a designated CS faculty member on a thesis of substance in computer science. The student will generate a formal written thesis and give a final defense of the thesis. This course may be repeated, but only 6 hours may be applied toward the degree.

Construction Management Graduate Courses

CM 5030 Descriptive Structural Systems
4-0-4
A descriptive study of structural behavior with an overview of statics, strength of materials, design of beams and columns for concrete, steel and timber structural systems.

CM 6000 Information Methods
4-0-4
A course in communications technique improvement and preparation for functioning in an information based society. Conceptual and methodological issues in construction research will be explored with emphasis on construction specific resources.

construction operations. This course will provide masters students with tools that can help them to perform top-level management duties in the construction industry. The complex nature of the construction industry requires construction managers to analyze large amounts of data to manage cost, schedule, and safety issues..

CM 6410 Building Failures and Defective Work
4-0-4
A study of problems, trends and issues related to workmanship and product failures during a time of rapid change in the construction industry. It will discuss concepts, philosophy and technology behind the subject issues and seek the exchange of ideas and views. Students will be expected to gain knowledge in the subject topics and develop skill in researching for facts extended to effective written and verbal presentations of the findings.

CM 6420 Tall Buildings
4-0-4
A study of tall buildings in the society of today and tomorrow. Form giving factors will be identified and problems of planning, design and construction explored. The project manager's role in the tall building process will be related to specific building examples. International differences in the role of tall buildings will become apparent, yet common threads will be found which can be useful in a shrinking world and a more universal construction industry.

CM 6430 Automation and Robotics
4-0-4
A study of the level of application of automation and 084 -3rn7

include how neural network simulations are used to solve decision-making tasks. Other topics included are machine vision and speech analysis. Practical experience and additional insight will result from students using the principles and theories studied in class to develop practical solutions to actual problems.

ECET 6204 Networked Embedded PCs
Prerequisite: ECET 6202
3-3-4
A course covering the basics

ECET 6704 Project Proposal
Prerequisites: At least 24 hours completed toward degree and permission of project advisor
1-8-4
Guided by his/her Project Committee, the student will prepare a Proposal for his/her Masters Project. This proposal must conform to the published guidelines, be approved by the Project Committee

Research and production of data infographics, visual instructions and comics as infographics, dashboards, and news infographics. Must have working knowledge of Photoshop and Illustrator or comparable raster-based and vector-based image applications.

IDC 6040 Applied Graphics
Prerequisite: IDC 6001 and IDC 6030; Co- or Pre-Requisite: IDC 6002
3-0-3
Students develop competency in raster-based digital image editing for information design and technical communication. Students complete practical graphics projects using typography and digital illustrations.

IDC 6042 Applied Digital Graphics
Prerequisite:IDC 6001 and IDC 6030 Co- or Pre-Requisite: TCOM 6002

3-0-3
Students develop competency in complex digital image editing for information design and communication. Students complete practical graphics projects using typography and digital illustrations.

IDC 6045 Foundations of Multimedia
Prerequisite:IDC 6001 Prof. Practices of Comm IDC 6001 and IDC 6030; Co- or Pre-Requisite: IDC 6002
3-0-3
A study of the foundations of multimedia including theory, planning, scripting, storyboarding, and production. Students will submit research work on the theory of multimedia. This course is double-listed for both undergraduate and graduate students. Graduate students will be required to complete additional work that emphasizes theory and research over application. Thus they must demonstrate a higher level of learning than undergraduates. Students who took TCOM 4045 Foundations of Multimedia as undergraduates may not count IDC 6045 for credit toward their graduate degree.

IDC 6050 Applied Multimeda
Prerequisite: IDC 6001 and IDC 6030 and IDC 6045; Co- or Pre-Requisite: IDC 6002
3-0-3
Course introduces and applies the literature, tools, and techniques of professional multimedia. Includes major online course elements. Students will choose a project in technical communication and apply the major phases of multimedia: definition, planning, execution, and closing. Topics of emphasis include communication skills, multimedia software tools, and project team dynamics.

IDC 6060 Strategies for Global Communication
Prerequisite: IDC 6001 and IDC 6030; Co- or Pre-Requisite: IDC 6002
3-0-3

Focuses on issues affecting global communication. Readings in culture and international communication give students the research and theory to make strategic decisions regarding the design of communication products in international contexts.

IDC 6080 Professional Oral Presentations
Prerequisite: IDC 6001 and IDC 6030; Co- or Pre-Requisite: IDC 6002
3-0-3
Course designed to enhance students' presentation skills in a technical and business environment. Students practice various speech types such as briefings, interviews, formal technical presentations, panels, and impromptu presentations. Whenever possible, presentations are videotaped for analysis and review.

IDC 6090 Medical Communication
Prerequisite:IDC 6001 and IDC 6030; Co- or Pre-Requisite: IDC 6002
3-0-3
Course examines the scope of medical communication, with emphasis on opportunities for technical communication professionals. Students will analyze, edit, and revise various medical document types, such as medical research abstracts, patient education materials, professional medical training documents, medical advertisements, and pharmaceutical package inserts. Students will independently study medical terminology and develop a portfolio of medical writing samples.

IDC 6110 Communications Project Management
Prerequisite: IDC 6001 and IDC 6030; Co- or Pre-Requisite: IDC 6002
3-0-3
Reviews the roles and responsibilities of project managers through the project lifecycle. Topics include communication management, risk management, scope management, resource management, and project quality. Assignments provide experience with industry-accepted software, tools, and approaches.

IDC 6120 Usability Testing
Prerequisite: IDC 6001 and IDC 6030; Co- or Pre-Requisite: IDC 6002
3-0-3
Study of the relevant research and practical application of usability testing as part of product development. Includes strategies for planning, conducting, and analyzing a test. Teams will perform tests and report results from an actual test in a usability lab.

IDC 6135 Website Design
Prerequisite: IDC 6001 and IDC 6030; Co- or Pre-Requisite: IDC 6002
3-0-3
Advanced theoretical study and application of best practices for the design and delivery of information on the World Wide Web. Students learn the fundamentals of HTML, use of HTML authoring tools, web content writing and editing, page layout, design of web graphics and multimedia elements, and website architecture and content management. Students work individually and in teams to design and develop websites. Some instruction is provided in basic HTML and XHTML coding, the composition of cascading style sheets, and the use of a current web site development software package.

IDC 6140 Instructional Systems Design
Prerequisite: IDC 6001 and IDC 6030; Co- or Pre-Requisite: IDC 6002
3-0-3

IDC 7801-7803 Thesis
Prerequisites: Completion of 30 hours of IDC coursework or consent of the program coordinator, approval of thesis proposal
1 to 3 hours
Intensive research project that results in a formal written thesis. Usually flows from an area of interest discovered by the student in early stages of the Information Design and Communication program or through work experience. Thesis work will be closely supervised by the student's advisor. Students may enroll for a maximum of 3 hours per term for thesis credit, with exceptions at the discretion of the department chair. (Total of 6 hours of Thesis required.)

Information Technology Graduate Courses

IT 5101 Introduction to Database Systems
Prerequisite: None.
1.5-0-1.5

This course examines aspects of database management systems. Topics include database analysis, design, development, and management.

IT 5102 Introduction to Security
Prerequisite: None.
1.5-0-1.5

This course examines aspects of computer security and assurance. Topics include basic principles, architecture models, disaster recovery models, physical security, and privacy and ethics.

IT 5200 Introduction to Platforms
Prerequisite: None.
1.5-0-1.5

This course examines aspects of computer platforms, operating systems and hardware.

IT 5201 Introduction to Networks
Prerequisite: IT 5200
1.5-0-1.5

This course examines aspects of computer networks and data communications.

IT 5303 Introduction to Programming and Software Development
Prerequisite: None.
3-0-3

This course examines concepts and practices of modern computer programming and software development. Students will learn how to design software to solve business problems by integrating existing solutions and developing new components using an object oriented programming language.

IT 5302 Introduction to Web Development
Prerequisite: IT 5303
1.5-0-1.5

This course examines the fundamental aspects of web development in support of business needs. Web development projects are required.

IT 6103 IT and the Law
Co-requisite: IT 6413 or IT 6423
3-0-3

This elective course will examine aspects of how the law affects an IT operation. Topics such as contract law, internet law, privacy and security will be discussed. Graduates of the MSIT need to know how the law affects IT and understand the basic laws particularly geared toward an IT operation.

IT 6203 IT Design Studio
Prerequisite: IT 5101 and IT 5302
3-0-3

This core course covers technologies and methods of designing and prototyping an IT application from multiple sub-system components. Major projects included, where students will design and prototype two significant IT applications involving n-tiers of sub-system components, where n is greater than 2. The course will require foundational proficiency in all major technical areas of IT including: data management; information assurance and security; networks and communication; servers and platforms; and software and web development.

IT 6413 IT Service Delivery
Prerequisite: IT 5201
3-0-3

This core course covers existing and emerging standards for IT service delivery, including ITIL and EAMM necessary for graduates who will have responsibility for IT service delivery to the organization including attaining and maintaining service level agreements. Major project included.

IT 6423 IT System Acquisition
Prerequisite: IT 5303 or IT 5301
3-0-3

This core course covers methods and best practices of assessing business needs, functional requirements and value for IT system acquisition (including decisions about appropriate sourcing).

IT 6473 Multimedia Applications
Prerequisite: IT 5302
3-0-3

This course introduces students to current practices, technologies, methodologies, and authoring systems in the design and implementation of systems that incorporate text, audio,

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clinical terminologies, a review of fundamental characteristics of clinical information, health information exchange stands (HL7); healthcare payment and reimbursement systems, the challenges of IT implementation, and a detailed discussion of the primary clinical and managerial applications of information (including electronic health records - EHR). Group and individual research will be required.

IT 6833 Wireless Security
Prerequisite: IT 6823
3-0-3

This course covers methods and techniques to secure wireless networks against threats and attacks. Topics include: Encrypt wireless traffic for privacy and authenticity, implement WPA and the 802.11i security standards to protect Wi-Fi networks, wireless network intrusion detection and prevention, and security trouble-shooting WLANs.

IT 6843 Ethical Hacking: Network Security and Penetration Testing
Prerequisite: IT 6823
3-0-3

This course covers the major issues surrounding the use of penetration testing to secure network security and important skills of a professional hacker and common security challenges that an information security officer will face in his/her work. Topics include the ethics of ethical hacking, laws and regulations, vulnerability discovery and risk analysis, internal and external attacks, how malicious hackers attack and exploit system vulnerabilities, penetration testing methods and tools, latest security countermeasures, and various types of penetration testing and programming skills required to complete successful penetration tests and to secure real systems against real attacks.

IT 6853 Computer Forensics
Prerequisite: IT 6823
3-0-3

This course studies techniques and tools in computing investigation, digital evidence collection, recovery, and analysis. Topics include: Legal issues relating to digital evidence, recover deleted files and discover hidden information, reconstruct user activity from e-mail, temporary Internet files and cached data, assess the integrity of system memory and process architecture to reveal malicious code.

IT 6863 Database Security and Auditing
Prerequisite: IT 5101 and IT 5102
3-0-3
This course provides students with an understanding of security concepts and practices in general and those specific to database security in a highly detailed implementation. Students will learn fundamental principles of database security and how to develop database applications embedding from simple to sophisticated security and auditing models using advanced database systems and software tools.

IT 6873 Information Security Seminar
Prerequisite: IT 6823
3-0-3

This course covers advanced topics in information security and assurance. This course is intended to provide students a solid foundation for further research and development in the area of information security and assurance with the opportunity to develop the skill of critically reading and evaluating research papers. Topics include: Latest development in network security, threat modeling, trustworthy computing, operating system security, program security, database security, and legal and ethical issues in information security and assurance. The course will consist of a lectures, guided research project, as well as presentations and discussions.

IT 6903 Special Topics in Information Technology
Prerequisite: Varies
3-0-3

Special topics selected by the Department Chair. Offered on a demand basis.

IT 7803 Masters Thesis
Prerequisite: Consent of the graduate coordinator
3-0-3

The thesis is designed for students wanting a research focus to their degree. The student works independently under the supervision of a designated faculty member on a thesis of substance in information technology. The student will generate a formal written thesis and give a final defense of the thesis. The course may be repeated, but only 6 hours may be applied toward the degree.

IT 7833 IT Strategy, Policy and Governance
Co-requisite IT 6203
3-0-3

This is a core course in which students complete a major project which integrates elements and best practices of the field. It should

and performance aspects of a system-wide quality assurance function.

QA 6610 Statistics for Quality Assurance
3-0-3
Descriptive statistics for discrete and continuous variables, probability distributions, confidence intervals and hypothesis testing, elementary control charts for variables and attributes, the design of acceptance sampling plans, analysis of variance, and

QA 7403 Graduate Seminar
Prerequisites: QA 6602,and QA 6611
3-0-3
The course is designed to cover various topics within the field of quality assurance which are not taught in other courses. These topics might include acceptance sampling, risk analysis, regression analysis, SPC training methods, and others.

QA 7503 Research in Quality
Prerequisites: QA 6602,and QA 6611 or consent of the department chair
3-0-3
This course is designed to guide the student in a thorough and in-depth written examination of one or more topics relevant to the application of quality assurance. Emphasis is placed upon students using both traditional and electronic means to perform the research.

QA 7603 Applications in Quality
3-0-3
This course is designed to guide the students through a thorough and in-depth application of quality principles in the workplace environment. Emphasis will be on the application of the principles and measurable outcomes.

Software Engineering Graduate Courses

SWE 6343 User Interface Design and Implementation
Prerequisite: SWE 6623
3-0-3This course covers the major frameworks, methods, and approaches to designing, engineering, implementing, and testing user interfaces. It covers user and usability requirements gathering, task analysis, user-interface design, implementation of the user interface, and evaluation with respect to requirements and the users' tasks. Illustrative design and implementation projects are completed throughout the term.

SWE 6673 Software Quality Engineering and Assurance
Prerequisite: SWE 6613, CS 5011, CS 5021, CS 5031
3-0-3
Various definitions and metrics related to quality are introduced, along with the concept of total quality management (TQM). Development of quality/test plan and the cost/value trade-off throughout the software development cycle is demonstrated. As a crucial component of quality engineering, the notion of validation and verification is explained in the context of different testing techniques, which include black box testing, white box testing, and formal verification. The emphasis of the course is on testing techniques for both non-executable and executable software artifacts as applied to different levels of testing, ranging from inspection, formal verification, unit testing to regression testing.

SWE 6613 Requirements Engineering
Prerequisite: SWE 6623
3-0-3
Requirements engineering (RE) plays a critical role in the software development process. This course is a thorough treatment of the engineering and definition of software requirements processes. Methods, tools, notations, and techniques for eliciting, analyzing, modeling, negotiating, validating, specifying, testing, and maintaining requirements will be examined with a focus on software-intensive systems. The course will include a major group project on the analysis and specification of software requirements.

SWE 6653 Software Architecture
Prerequisite: SWE 6623, CS 5011, CS 5021, CS 5031
3-0-3
This course examines the principles and methods of the architectural design of complex, large-scale software systems. Macro-level system architecture with an emphasis on approaches to interconnection and distribution of both current and emerging architectural systems (e.g., Model-View-Controller (MVC), service-oriented, agent-oriented) as well as micro-level architecture including patterns, frameworks, and component-based software engineering are covered in detail.

SWE 6733 Software Engineering Processes
Prerequisite: SWE 6623, SWE 6633
3-0-3
This course gives students an in-depth introduction to the essentials of software engineering processes, methods, and tools for the engineering and evolution of complex real-world software. Emphasis is on the role of process in the various software life-cycles from requirements engineering through operation and maintenance. Topics such as personal and team software processes, organizational maturity, theory and applications of CMMI and ISO 9001, process management, process assessment, and process improvement are included.

SWE 6853 Design Patterns
Prerequisite: SWE 6623 and CS 5003; SWE 6743 Recommended
3-0-3
This course builds upon basic object-oriented concepts to discover principles of good object-oriented design through the application of design patterns. The focus is on the issues and means of designing software systems for reuse, extension, and maintainability including how to leverage the powers of object-orientation embodied in well-known heuristics, principles and patterns in the design and construction of reusable systems. This course will emphasize that designing reusable systems requires anticipating requirements changes and the application of design patterns will help ensure system mutability. The course includes a major project in which the students will gain hands-on experience with design patterns.

SWE 6623 Software Engineering
Prerequisite: CS 5003 or CSE 1302 or equivalent
3-0-3
Transition: This course provides an overview of software engineering and explores both the theoretical principles and their application in the engineering of software-intensive systems. Topics cover the entire software development life-cycle and include software engineering process models, project management and planning, requirements engineering, software architecture and design, prototyping, verification and validation, usability and human factors, quality assurance, and professionalism and ethics. The course includes a real-world team project in which students are given hands-on experience utilizing state-of-the-art tools to analyze and design a software system.

process capability or process maturity in an enterprise. Both EIA/IS-731-1, "Systems Engineering Capability Model", and Capability Maturity Model® Integration (CMMISM) will be examined and the strengths and weaknesses reviewed with respect to consideration of use on projects.

SYE 6050 Reliability and Sustainability
Prerequisite: QA 6610
3-0-3
Concepts for reliability and sustainability (maintainability) engineering and their integration into system development will be examined. In addition, techniques for ensuring the integration of these factors into core design decisions through specified requirements will be explored.

SYE 6055 System Engineering Project
Prerequisite: Consent of instructor
3-0-3
In this capstone class, students will be presented with an engineering problem statement constituting acquirer needs and expectations. Multi-disciplinary teamwork will be required to achieve a solution to the presented problem statement.

SYE 6065 System Optimization
Prerequisite: SYE 5000 or equivalent
3-0-3
This course focuses on methods of operations research and their applications. Operations Research methods include linear programs, network models, queuing models, markov chains, and heuristics. Applications in inventory & production planning, transportation & logistics, and finance will be covered.

SYE 6070 Logistics and Supply Chain Management
3-0-3
This course focuses on decisions vital to success in typical business environments characterized by competition and scarce resources. Students will develop skills in applying a variety of techniques to solve logistics and supply chain management problems. Topics covered will include information sharing and aligning incentives along the supply chain; demand forecasting; inventory decisions; transportation mode and route selection; and pricing and revenue management.

SYE 6075 Manufacturing Systems Planning and Design
3-0-3
This course focuses on decisions important in production and warehousing environments. Production topics include analysis of flows, bottlenecks and queuing, types of manufacturing operations, aggregate production planning, lot sizes and lead times, and pull production systems. Warehouse topics include design and analysis of warehouse layout, order picking strategies, warehousing inventories, and integration of production and distribution systems.

SYE 6901-3 Special Topicsin Systems Engineering
3-0-3
Topics not covered in the department's regular systems engineering offerings. Course content may vary each semester depending on instructor and the perception of students' needs. Course may be repeated for credit.

SYE 7801-3 Masters Thesis Hours
Prerequisite: Consent of the Program Director and the Thesis Advisor
3-0-3
The thesis is designed for students wanting a research focus to their degree. The student works independently under the supervision of a designated SyE faculty member on a thesis, generates a formal written thesis, and gives a final defense of the thesis. This course may be repeated, but only 6 hours may be applied toward the degree.

Accounting and Business Transition Courses (Common Professional Core)

ACCT 5002 Survey of Financial Accounting
1.5-0-1.5
This course is a study of the application of accounting principles and the accounting cycle used in business of corporations to record historical economic transactions reported in financial statements to be used by decision makers internally and externally.

ACCT 5002 Survey of Financial Accounting
1.5-0-1.5
This course is a study of the application of accounting principles and the accounting cycle used in business of corporations to record historical economic transactions reported in financial statements to be used by decision makers internally and externally.

ACCT 5004 Survey of Managerial Accounting
Prerequisite: MGNT 5002 or an undergraduate financial accounting course
1.5-0-1.5
This course is a study of the application of accounting principles to specialized problems in business of corporations, special reports, and analyses of accounting information, fundamentals of management accounting, information and analysis for planning and controlling, decision analyses, cost management, and continuous improvement.

ACCT 5009 Intermediate Accounting II

Graduate Faculty Listings

Business Administration Faculty

Richardson, Ronny
Professor
Ph.D., Georgia State University
M.S., Georgia State University
M.B.A., Georgia State University
B.S., University of Southern Mississippi
A.S. Community College of the Air Force

Kelani, Zeynep
Lecturer
M.S., Southern Polytechnic State University
M.S., Marmara University
B.S., Mimar Sinan University

Khayati Amine
Assistant Professor
Ph.D., in Finance, Southern Illinois University, 2010
M.S., in Finance, The University of Memphis, 2003
B.A., in Accounting, University of Tunis, 2000

Melnick, Mikhail
Associate Professor
Ph.D. Georgia State University, Economics
MA Boston University, Economics
BS Georgia State University, Economics and Physics

Tsay, Bor-Yi
Assistant Professor
Ph.D. University of Houston, Accounting
MBA, Eastern Washington University
BS National Taiwan University, Agricultural Economics

Vasa-Sideris, Sandra
Professor
Ph.D., Georgia State University
M.B.A., Georgia State University
M.A., University of Tennessee
B.A., University of Tennessee

Department of Business Administration Faculty Emeriti

Davis, Sidney, Professor Emeritus
Warsi, T.A, Professor Emeritus
Yancy, Robert, Professor Emeritus

Computer Science Faculty

Bobbie, Patrick O.
Professor
Ph.D., University of Southwestern Louisiana
M.S., Marquette University
B.S., University of Science & Technology, Ghana

Chastine, Jeffrey W.
Associate Professor
Ph.D., Georgia State University
M.S., Georgia Institute of Technology
B.M., Valdosta State University

Dasigi, Venu G.
Professor and Department Chair
Ph.D., University of Maryland
M.S., University of Maryland
M.E.E., Philips International Institute of Technological Studies
B.E., Andhra University

Harbort, Robert A., Jr.
Professor
Ph.D., Emory University
M.S., Georgia Institute of Technology
B.S., Emory University
P.E., Georgia

Hung, Chih-Cheng
Professor
Ph.D., University of Alabama-Huntsville
M.S., University of Alabama-Huntsville
B.S., Soochow University

Jung, Edward
Assistant Professor
Ph.D., University of Minnesota
B.S., University of Minnesota

Karam, Orlando A.
Associate Professor
Ph.D., Tulane University
M.S., Tulane University
B.S., University of Yucatan [Mexico]

Lo, Chia-Tien Dan
Associate Professor
Ph.D., Illinois Institute of Technology
M.S., National Taiwan University
B.A., National Chung-Hsing University

Preston, Jon A.
Associate Professor
Ph.D., Georgia State University
M.S., Georgia Institute of Technology
B.S., Georgia Institute of Technology

Qian, Kai
Professor
Ph.D., University of Nebraska-Lincoln
M.S., East China Normal University
B.S., Harbin Engineering College

Construction Management Faculty

Abaza, Hussein
Assistant Professor
Ph.D., Virginia Polytechnic and State University
MA.Sc., Virginia Polytechnic and State University
B.A., Virginia Polytechnic State University

Banik, Gouranga C.
Professor
Ph.D., Iowa State University
M.S., University of Manchester (UK)
M.S., Bangladesh University of Engineering and Technology
B.S., Bangladesh University of Engineering and Technology

El-Itr, Zuhair
Associate Professor
Ph.D., Georgia Institute of Technology
M.S.C.E., Georgia Institute of Technology
B.S.C.E., American University-Beirut

Irizarry, Javier
Assistant Professor
Ph.D., Purdue University
M.E.M., Polytechnic University of Puerto Rico
B.S.C.E., University of Puerto Rico – Mayaguez

Meadati, Pavan
Assistant Professor
Ph.D., University of Nebraska, Lincoln
M.S., Indian Institute of Technology, Madras
B.S., Osmania University (India)

Makarechi, Shariar
Assistant Professor
Ph.D., Georgia Institute of Technology (Expected 2006)
M.S., George Washington University
B.S., Aryamehr University of Technology, Iran
P.E., California, D.C, Georgia, Maryland, Virginia, West Virginia

Siddiqi, Khalid M.
Department Chair and Professor
Ph.D., Georgia Institute of Technology
M.S., Asian Institute of Technology, Bangkok Thailand
B.S., University of Engineering and Technology, Karachi, Pakistan

Engineering Technology„Electrical Faculty

Asgill, Austin B.
Professor
Ph.D., University of South Florida
MSEE, University of Aston in Birmingham
MBA, Florida State University
BEngr, University of Sierra Leone
PE, Florida

Chin, Craig A.
Assistant Professor
Ph.D., Florida International University
MSEE, Florida International University
BSEE, University of the West Indies

Fallon, Thomas J.
Associate Professor
Ph.D., Georgia State University
MSEE, Georgia Institute of Technology
BSEE, Georgia Institute of Technology

Misoc, Florian
Associate Professor
Ph.D., Kansas State University,
MSET, Pittsburg State University
B.Sc., University of Budapest, Romania

Preethy, Adimathara P.
Assistant Professor
Ph.D., Nanyang Technological University, Singapore
MTech., Cochin University of Science and Technology, India
BSEE, Cochin University of Science and Technology, India

Thain, Walter E. Jr
Associate Professor
Ph.D., Georgia Institute of Technology
MSEE, Georgia Institute of Technology
BSEE, Georgia Institute of Technology

Tippens, Scott J.
Professor
MSEE, Georgia Institute of Technology
BSEE, Georgia Institute of Technology

Wilcox, Daren R.
Assistant Professor
MSEE, University of Central Florida
BSEE, University of Central Florida

Zia, Omar
Professor
Ph.D., Warsaw Technical University
MSEE, Warsaw Technical University
BSEE, Warsaw Technical University
PE, Georgia, California, Oregon

Information Design and Communication Faculty

Barnum, Carol M.
Professor
Ph.D., Georgia State University
M.A., Georgia State University
B.A., University of North Carolina

Hopper, Keith B.
Associate Professor
Ph.D. Georgia State University
M.A., Boise State University
B.S., Boise State University

Nunes, Mark
Department Chair and Associate Professor
Ph.D., Emory University

Ph.D., University of Oklahoma
M.S., Northwestern University
B.S., University of Tehran

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Salimi, Abi
Associate Professor
Ph.D., University of Central Florida
M.S., University of Iowa
B.S., The Institute of Banking Science (Iran)

Tsui, Frank
Associate Professor
Ph.D., Georgia Institute of Technology
M.S., Indiana State University
B.S., Purdue University

Southern Polytechnic State University Senior Administration

Dr. LISA A. ROSSBACHER
President
Ph.D., Princeton University
M. A., Princeton University
M. A., State University of New York at Binghamton
B. S., Dickinson College

Mr. RON DEMPSEY
Executive Director of Advancement
Ph.D., Southern Baptist Theological Seminary
M.A., University of Louisville
M. Div., Southern Baptist Theological Seminary

Mr. WILLIAM GRUSZKA
Chief Information Officer
M. S., Cleveland State University
B.I.E, Cleveland State University

Dr. RON R. KOGER
Vice President for Student and Enrollment Services
Ed.D., University of Kansas
M.Ed., University of Kansas
B.S.Ed., Pittsburg State University

Mr. PATRICK B. MCCORD
Vice President for Business and Finance
M. S., Georgia College
B. A., West Georgia College

Ms. MARY T. PHILLIPS
Executive Assistant to the President
M.B.A, Samford University
B. A., Howard College (Samford University)

Dr. ZVI SZAFRAN
Vice President for Academic Affairs
Ph.D., University of South Carolina
B. S., Worcester Polytechnic Institute

President Emeritus
Dr. Steve R. Cheshier

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