INFORMATICS, MASTER OF SCIENCE

The Master of Science in Information Technology requires:

1. Successful completion of an approved program of study, from the courses below, providing 30 hours of graduate credit.
2. Students must complete one course of independent study (INFO U798) but can optionally choose to complete a second for a total of 6 credit hours.
3. A minimum grade point average of 3.0 (B) is required over the entire graduate program, and a minimum grade of C is required in all graduate courses.

Required Courses

Code	Title	Hours
I. Core Courses		**15**
INFO U650	Cloud Based Information Resource Management	3
INFO U710	Management of Innovation and Intellectual Property	3
INFO U762	Interoperability	3
INFO U763	Advanced IT Project Management	3
INFO U798	Independent Graduate Study in Information Technology	3
II. Electives (Select 5 courses)		**15**
Artificial Intelligence		
INFO U765	Applied Artificial Intelligence	
INFO U735	Applied AI Agents	
INFO U731	Applied AI Prompt Engineering	
Cybersecurity		
INFO U717	Information Privacy	
INFO U727	Cybersecurity Management	
INFO U745	Digital Forensics Technology	
Electives		
INFO U622	Advanced Knowledge - Based Systems	
INFO U720	Information Architecture	
INFO U761	Business and Competitive Intelligence	
INFO U796	Special Topics in Graduate Information Technology	
HIMS U754	Introduction to Health Informatics	
HIMS U755	Healthcare Quality Management	
INFO U798	Independent Graduate Study in Information Technology	
INFO U799	Thesis Preparation	
Business Analytics (up to 4 courses)		
MSBA U700	Introduction to Quantitative Analysis and Programming	
MSBA U705	Data Mining and Management	
MSBA U715	Principles of Business Analytics	
MSBA U720	Data Visualization	
MSBA U760	Data Governance, Law, and Ethics	
MSBA U765	Business Process and Operations Analytics	
MSBA U770	Programming for Analytics	
MSBA U775	Web & Social Media Analytics	
Total Hours		**30**

USC Upstate Department of Informatics and Engineering Systems Graduate Mission Statement

Information technology professionals in the graduate program at USC Upstate are broadly prepared in information technology, communications, and business theory. Graduates understand unique challenges of managing people, projects, information, knowledge, processes, and information resources in today's quickly changing globalized market.

Degree Candidates

Individuals seeking admission to USC Upstate as a degree candidate, will be considered for full admission when the USC Upstate Admissions Office receives all admissions material. However, students are eligible to take up to 6 hours of program courses pending receipt of all materials. Applications are reviewed holistically in their entirety and in comparison to other applications received to select candidates who are a good fit for and who will be reasonably expected to succeed in the program. If the student meets all criteria, the student will be accepted as a degree candidate. Requirements are:

- Application as a degree-seeking student
- Professional resume
- A minimum GPA on all undergraduate coursework of 2.5 on a 4.0-point scale
- Proof of immunization for measles (rubeola) and German measles (rubella) if born after December 31, 1956
- A written statement of intent as to why the applicant wishes to apply to the program
- Two (2) letters of recommendation (optional)
- Transcripts: All graduate applicants must submit transcripts from all colleges or universities from which they earned (bold earned) a degree or certificate. In some cases, transcripts may be required even if a degree was not completed to verify prerequisite work was completed.

Conditional Admission

As long as all other admission requirements have been fulfilled, a student may apply for conditional admission by submitting a written request to the chair of the Department of Informatics and Engineering Systems if the student has a GPA on all undergraduate coursework of below 2.5 on a 4.0-scale.

If the student is granted conditional admission, the student must maintain a GPA of 3.25 on the initial twelve (12) hours of USC Upstate graduate coursework to be fully admitted as a Master's candidate, or meet the criteria set forth by the Informatics Graduate Faculty committee as appropriate. If the student fails to achieve this GPA, the student may not continue in the Master's program.

Each candidate will be reviewed by an admissions panel consisting of faculty from the Department of Informatics and Engineering Systems. The panel will make recommendations including possible remedial coursework (additional courses at the undergraduate level to repair any deficiencies in the candidate's background), to the chair of the Department of Informatics and Engineering Systems who will make the final decision on admission. The Dean of the College of Science and

Technology will be able to reverse any admission decision made by the chair. Before a student begins the independent study or research portion of the curriculum, each student will be assigned a faculty mentor to serve as the student's advisor. Some students may be offered graduate student stipends depending on availability of funding.

1. Students will understand what constitutes intellectual property (IP) and how an enterprise increases and protects the value of its intellectual property by innovation and innovation management.
2. Students will demonstrate the ability to plan, control and improve IT projects such as Information Systems Development in contemporary as well as future contexts and settings.