



Scripps College of Communication Information and Telecommunication Systems

The J. Warren McClure School of Information and Telecommunication Systems prepares students to be working professionals in the field of voice/data communications. These telecom professionals fill a large number of roles: they design, supervise, and operate specialized communication systems for private industry and government; they design and market communication services on behalf of major telephone companies, Internet service providers, cellular providers, and equipment vendors; and they apply their expertise on behalf of consulting firms and regulatory agencies.

The curriculum outlined below is a semester-by-semester plan of study for the ITS major. There are many variations. Note that the McClure School cannot guarantee course availability, especially of courses offered by other academic units or in the summer.

The scheduling scenario below is intended to present an example pattern by which this major can be completed in three years. Those interested in pursuing this option need to work with an academic advisor to develop a specific plan to earn the 120 credit hours required for graduation.

Information and Telecommunication Systems

Semester 1: Fall

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
ITS 2140 Introduction to ITS ¹	3		C
ITS 2300 Data Communications	4		C
UC 1900 Learning Community ¹	1		
MATH 1200 College Algebra ³	4		
COMS 1030 Fundamentals of Public Speaking ^{1,2}	3		
Total hours for semester	15		

Semester 2: Spring

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
ITS 3100 Internet Apps & Network Systems	4	Yes	C
ECON 1030 Principles of Microeconomics ^{2,4}	3		
MIS 2021 Business Information Systems ²	3		
ENG 1510 Writing and Rhetoric I	3		
General Education Tier II CP/FA/NA/HL	3		
Total hours for semester	16		

Semester 3: Summer

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
General Education Tier II CP/FA/NA/HL	3		
General Education Tier II CP/FA/NA/HL	3		
General Education Tier II CP/FA/NA/HL	3		
ACCT 1010 Foundations of Accounting ²	3		
ECON 1040 Principles of Macroeconomics ^{2,4}	3		
Total hours for semester	15		

Semester 4: Fall

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
ITS 3110 Network Transport, Optical Networking	4	Yes	
MGT 2000 Introduction to Management ²	3		
ACCT 1020 Decision Making with Accounting ²	3		
CS 2300 Computer Programming in JAVA ⁴	3		
Elective	3		
Total hours for semester	17		

Semester 5: Spring

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
ITS Elective	3	Yes	
ITS 3020 Fundamentals of Regulation	3	Yes	C
PSY 2110 Stats for the Behavioral Sciences ²	3		
MGT 3000 Principles of Operations	3	Yes	
Area of Concentration #1	3		
Total hours for semester	15		

Semester 6: Summer

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
MKT 2020 Marketing Principles ²	3		
BUSL 2000 Law and Society ²	3		
FIN 2020 Foundations of Financial Management ²	3		
Elective	3		
Total hours for semester	12		

Semester 7: Fall

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
ITS Elective	3	Yes	
ITS 3121 Applications of Regulation	3	Yes	

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
Tier I Junior Composition	3	Yes	
Area of Concentration #2	3		
Area of Concentration #3	3	Yes	
Total hours for semester	15		

Semester 8: Spring

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
ITS 4440 Lifecycle Management	3	Yes	
ITS Elective	3		
Area of Concentration #4	3	Yes	
Elective	3		
Elective	3		
Total hours for semester	15		

¹Component of ITS Learning Community

²Required for all ITS Students

³ Depending on Math placement

⁴Satisfies ITS programming requirement and Tier II Arts & Sciences

⁵Satisfies Tier II Social Sciences