### Bachelor of Science in Telecommunications Network Management 2014-2015

#### Year One

**Fall**
- **FCWR 101** Foundations of College Composition (Pre-req: PLACEMENT EXAM)
- **FCIQ 101** Foundations of Inquiry
- **ECON 101** Basic Economics
- **TMAT 135** Technical Mathematics I (Pre-req: PLACEMENT EXAM)
- **ETEC 110** Electrical Technology I (Co-req: TMAT 135)

**Credit:** 17

**Spring**
- **FCWR 151** Foundations of Research Writing (Pre-req: FCWR 101)
- **ETEC 120** Electrical Technology II (Co-req: TMAT 155)
- **ETEC 131** Electronics Technology I
- **TMAT 155** Technical Mathematics II (Pre-req: ETEC 110 or ETEC 120, Co-req: TMAT 135)
- **ETCS 105** Career Discovery

**Credit:** 17

#### Year Two

**Fall**
- **FCSC 101** Foundation of Scientific Process
- **ACCT 101** Accounting I
- **CTEC 204** Programming Techniques I (Pre-req: TMAT 135)
- **ETEC 206** Programming Techniques II (Pre-req: CTEC 204)
- **TELE 110** Telecommunications Fundamentals

**Credit:** 16

**Spring**
- **FCSP 105** Foundations of Speech Communication
- **PHYS 130** Introductory Physics (Pre-req: TMAT 135)
- **CTEC 206** Programming Techniques II (Pre-req: CTEC 204)
- **QANT 201** Statistical Sampling Theory (Pre-req: ETEC 131)
- **TELE 220** Applied Telecommunications (Pre-req: TMAT 135)

**Credit:** 15

#### Year Three

**Fall**
- **FCWR 304** Communication for Technical Professions (Pre-req: FCIQ 101, FCSP 105, FCSC 101, FCWR 151)
- **MATH 151** Fundamentals of Calculus (Pre-req: TMAT 135 or TMAT 155)
- **TELE 210** Data Net Fundamentals (Pre-req: TELE 110, TMAT 155, QANT 301)
- **TELE 220** Applied Telecommunications (Co-req: TELE 210)
- **CTEC 311** Introduction to Operating Systems

**Credit:** 15

**Spring**
- **ICPH 3XX** Philosophy Choice (Pre-req: FCIQ 101, FCSP 105, FCSC 101, FCWR 151)
- **CHEM 107** Engineering Chemistry I (Pre-req: TMAT 135)
- **CTEC 310** Telecommunications Elective (Pre-req: TELE 110)
- **TELE 310** Telecommunication Law and Policy (Pre-req: TELE 110)
- **TELE 321** Cellular and Wireless Technologies (Pre-req: TELE 110)

**Credit:** 16

#### Year Four

**Fall**
- **ICBS 3XX** Behavioral Science Choice (Pre-req: FCIQ 101, FCSP 105, FCSC 101, FCWR 151)
- **ICLT 3XX** Literature Choice (Pre-req: FCIQ 101, FCSP 105, FCSC 101, FCWR 151)
- **ECON 201** Money and Banking (Pre-req: ECON 105)
- **TELE 420** Internetworking Technology I (Pre-req: CTEC 204, TELE 210)
- **CTEC 471** Internet Development (Pre-req: CTEC 204)

**Credit:** 15

**Spring**
- **IENG 400** Technology and Global Issues (Liberal Arts Elective)
- **TELE 431** Internetworking Technology II (Pre-req: TELE 420)
- **QANT 405** Management Science (Pre-req: ECON 110, MRKT 200, QANT 300 or Advisor Approval)
- **TELE 440** Tech Elective (Pre-req: Advisor Approval)

**Credit:** 16

### Telecommunications Network Electives

(Electives must be approved by the Department Chairperson)

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<th>Credit</th>
<th>Pre-Requisites</th>
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**Technology Electives:** CSCI, ITEC, ETEC, CTEC, TELE, ETC

**Credits:** 127

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