# Study Plan

## Master of Science in Telecommunications

**Name:** ____________________________________  **ID#** _________________________

**Signature:** ________________________________  **Semester admitted:** ________________

**Area of concentration:**

- ( ) Communications System
- ( ) Information Administration
- ( ) Networking

**Revision #:** ____________________________  **Date:** _____________________________

**Approved:** ____________________________

### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester</th>
<th>Grade</th>
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<tbody>
<tr>
<td>ECE 673</td>
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<tr>
<td>ECE 642</td>
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<tr>
<td>ECE 683/CS 652</td>
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<td>ECE 644</td>
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### Professional Skills (Select two courses)

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<thead>
<tr>
<th>Course</th>
<th>Semester</th>
<th>Grade</th>
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<tbody>
<tr>
<td>CS 630</td>
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<tr>
<td>ECE 636</td>
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<tr>
<td>ECE 638/CS 696</td>
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<td>EM 636</td>
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### Project/Thesis

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### Elective Courses

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### Bridge Courses

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### Non-degree Courses

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Elective Courses:

| Communications Systems                      | ECE 645 Wireless Networks  
|                                           | ECE 658 VLSI Design I     
|                                           | ECE 690/CS 650 Computer Systems Architecture  
|                                           | ECE 692 Embedded Computing Systems  
|                                           | ECE 742 Communications Systems II  
|                                           | ECE 745 Advanced Wireless Networks  
|                                           | ECE 757 Advanced Wireless Communications  
|                                           | ECE 776 Information Theory  
|                                           | ECE 788/789 Selected Special Topics  

| Information Administration                  | ECE 637/CS 656 Internet and Higher-Layer Protocols  
|                                           | ECE 639/CS 697 Principles of Broadband Networks  
|                                           | ECE 649 Compression in Multimedia Engineering  
|                                           | MIS 635 Management of Telecommunications  
|                                           | MIS 636 Telecommunications: Policies and Regulations  
|                                           | CS 604 Client/Server Computing  
|                                           | CS 608 Cryptography and Security  
|                                           | CS 631 Data Management Systems Design  
|                                           | CS 632 Advanced Database System Design  
|                                           | CS 734 Data Mining  
|                                           | ECE 788/789 Selected Special Topics  

| Networking                                 | ECE 637/CS 656 Internet and Higher-Layer Protocols  
|                                           | ECE 639/CS 697 Principles of Broadband Networks  
|                                           | ECE 645 Wireless Networks  
|                                           | ECE 658 VLSI Design I  
|                                           | ECE 681 Broadband Packet Switches  
|                                           | ECE 690/CS 650 Computer Systems Architecture  
|                                           | ECE 692 Embedded Computing Systems  
|                                           | ECE 745 Advanced Wireless Networks  
|                                           | ECE 783 Computer Communication Networks  
|                                           | CS 604 Client/Server Computing  
|                                           | ECE 788/789 Selected Special Topics  

Other courses related to Telecommunications may be selected as electives with written approval from the corresponding Graduate Advisor. Students must take at least 15 credits of ECE graduate courses; an ECE course is one with the prefix “ECE”.