

## Telecommunications Minor Application Form

Name:	Expected date of graduation:
JMU e-mail: _____@dukes.jmu.edu	Student ID: _____
Major: _____	Concentration (if any): _____

Students must submit this form to apply to be telecommunications minors. Note that enrollment in CS/ISAT 46x may be limited to computer science and integrated science majors or minors and telecommunications minors.

Students seeking telecommunications minor status should apply the semester prior to the semester in which CS460 is to be taken. Normally, students will apply during the semester in which they are taking CIS 320 and a programming course (either CS139, CS239, ISAT252, or CIS221). The decision for approval or denial of a telecommunications minor applicant depends on *space available for both CS and telecommunications minors and the applicant's academic record*. The decision is typically made after a student completes both CS320 and one of programming courses.

You must meet with the telecommunications minor advisor (Dr. Mohamed S. Aboutabl) before you can submit this application. The telecommunications minor requirements are listed below. *At most four courses can be used to satisfy both the telecommunications minor and a student's major requirements*. In the table below, indicate all courses you have completed or are in the process of completing. *Leave the field for grade blank if the course has not yet been completed*.

Requirement	Term / Year	Grade
1) <i>Choose one of the following programming courses:</i>		
CIS 320 Computing and Telecommunications Networks.		
ISAT 360 Introduction to Networking and Security		
2) CS/ISAT 460 TCP/IP Networks		
3) ISAT/CS 461 Internetworking. (Spring Only)		
4) ISAT/CS 464 Issues in the Telecommunications Business. (Fall Only)		
5) <i>Choose one of the following programming courses:</i>		
CS 139 Algorithm Development		
CS 239 Advanced Computer Programming		
CIS 221 Principles of Programming		
ISAT 252 Programming and Problem Solving		
6) <i>Choose one of the following:</i>		
CS/ISAT 462 Network Applications Development. (Spring Only)		
CS/ISAT 463 Network Analysis and Design.		
ISAT 465 Wireless Networking, Security and Forensics		
CS 458 Cyber Defense. (Spring Only)		

**Submit this form plus an unofficial transcript and a completed JMU Declaration of Minor form.**

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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**Decision:** approved \_\_\_\_ denied \_\_\_\_ deferred \_\_\_\_ pending: \_\_\_\_\_

Signature of Telecommunications Minor Advisor: \_\_\_\_\_ Date: \_\_\_\_\_