



MASTER'S IN TELECOMMUNICATIONS PROGRAM

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The Master's in Telecommunications Program provides highly technical courses and labs as well as management and entrepreneurship skills to make our graduates greatly sought by state-of-the-art industry leaders within the United States, and internationally. Both the University of Maryland's School of Engineering and the School of Business rank among the top U.S. universities for academia and research. Most of our students have employment offers even before they graduate, and are equipped to advance their careers quickly and understand technological innovations as they arise.



We invite you to visit our webpage at www.telecom.umd.edu, or contact us at telecomprogram@umd.edu. We look forward to hearing from you.

Wireless Communications

From courses on the latest wireless standards like OFDM and 4G/5G to implementation-based classes on DAS, small cells and WLAN, our program has something for every wireless area of interest. Students can use the Hughes Wireless Lab to study practical applications on modern software-defined radios as well as access industry standard tools to design cellular, WIFI, and satellite deployments.

Computing

Students interested in computing can explore topics in Linux system administration, server virtualization, algorithms and data structures, data mining and machine learning.



Programming and scripting have a special emphasis in our program, so students have the opportunity to improve their programming skills in Python, Java and C.

Networking

Networking electives provide specialized knowledge in cloud computing, software-defined networking, internet of things, and network automation. Our students gain hands-on experience with switch and router configuration and troubleshooting in the Juniper Networking Lab.

Business and Entrepreneurship

Our program includes MBA courses in economics, marketing, management and decision theory, focused on the modern telecom industry. Our students are equipped to rise to leadership positions in major firms as well as explore entrepreneurship opportunities by joining or founding start-ups. The University of Maryland's top ranked entrepreneurship resources are available to students, including the Academy for Innovation and Entrepreneurship, the Dingman Center for Entrepreneurship, as well as the Maryland Technology Enterprise Institute.

An Ideal Location

Home to more than 3,000 high tech companies, the Washington D.C. metropolitan area is one of the most prosperous and fastest-growing technology areas in the U.S., where more than half of the nation's internet traffic is carried on the communications lines of local industry. This vibrant region offers students a wealth of opportunities for internships, and access to faculty with transformational real world experience.



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