RADIO FREQUENCY TECHNICIAN

Frederick Community College

Radio Frequency Technician

Radio Frequency (RF) Technicians work as radio, cellular, and tower equipment and cable installers, testers and repairers. They install, test and maintain mobile or stationary radio transmitting, broadcasting, and receiving equipment, and two-way radio communications systems used in cellular telecommunications, mobile broadband, ship-to-shore, aircraft-to-ground communications, and radio equipment in service and emergency vehicles. They may also test and analyze network coverage.

The Program

Wireless Communications and technology are rapidly growing industries with a major worldwide focus on enabling the Internet of Things (IoT). Computing, Voice, Text, Video, Music, Gaming, Shopping, Building Automation and a broad array of industry specific capabilities are made possible through Radio Frequency based systems. The adaptation of wireless connectivity for devices has resulted in Wireless Broadband communication becoming widely regarded as the 4th Utility.

Wireless systems are no longer restricted to cellular towers and outdoor structures as systems are commonly deployed in airports, stadiums, conference centers, malls, hospitals, hotels, office buildings, schools and homes; as well as planes, trains, boats and automobiles. Radio Frequency Technicians are sought to design, install, test, repair and maintain wireless communication systems and infrastructures.

Letter of Recognition

The Radio Frequency Technician Letter of Recognition (LOR) program prepares students with the essential knowledge on communications-based networks and systems in order to become Radio Frequency (RF) technicians whose primary duties include the installation, maintenance upgrade, and testing of RF systems, such as wireless Internet access points, cellular antennas, and satellite systems. Provides the foundation for familiarity with electronics, computing, networking, and wireless technologies. This comprehensive curriculum offers the skills needed for the career and help to increase job opportunities. As a subset of electrical engineering, the Radio Frequency Technician Letter Of Recognition (LOR) program can serve as an on-ramp to a stackable credential that feeds into a career pathway continuum in the field of engineering. This LOR prepares students for BICSI (Building Industry Consulting Service International) Technician certification and National Association of Radio and Telecommunications Engineers (NARTE) Wireless System Installers certification.

Estimated Salaries

The Letter of Recognition prepares students for immediate, entry-level employment as Radio Frequency Technicians. According to the US Bureau of Labor Statistics, the average earnings of Radio Technicians is $49,880 per year, or $23.98 per hour. *(Source: Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook)*
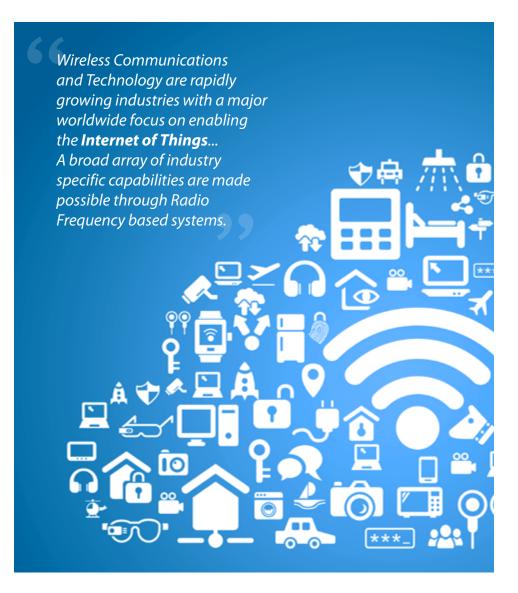
Financial Assistance

FCC participates in federal, state and local financial aid programs. Students are encouraged to apply for financial aid, and for scholarships offered by the College and community. Financial aid applications are available in the Financial Aid Office, J301, or online at www.fafsa.ed.gov. The scholarship application is available at www.frederick.edu.

Faculty

All courses are taught by fully qualified professionals who have worked in the Radio Frequency field. All are experts in their field who take a personal interest in teaching students to think critically and to fulfill their career goals.

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For more information on Radio Frequency:

Contact Dr. Andy Yao at 301.846.2410 or email ayao@frederick.edu

Course		Credits
Departmental Requirements		
CIS 111K	Practical Structural Cabling	3
CIS 210	LAN Design & Management	3
CIS 116F	Computer Fundamentals	1
CIS 224	Wireless Communications	3
		10

For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website at www.frederick.edu/gainfulemployment.

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Frederick Community College makes every effort to accommodate individuals with disabilities. If you have accommodation needs, please call 301.846.2408. To request a sign language interpreter, please call 240.629.7939 or 301.846.2408 (Voice) or email Interpreting@frederick.edu. Requests for any accommodation should be made at least five working days prior to attending a scheduled event.