



BUILDING YOUR CAREER IN TELECOMMUNICATIONS

Are you interested in Bluetooth, WiFi, and cellular systems? Did you enjoy Signals and Systems, EELE 308? This guide will help you select the professional electives designed to help you launch your career!

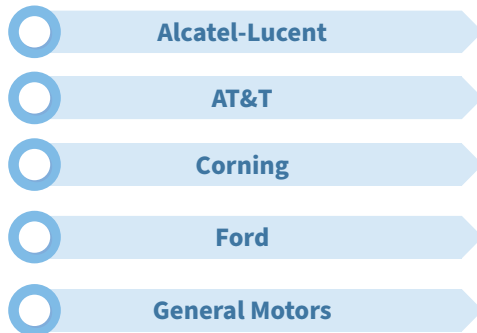
WHAT IS THE FOCUS OF TELECOMMUNICATIONS?

Telecom is the exchange of information over large distances. All systems include a transmitter and a receiver, but signals can be transmitted through various mediums, fiber optics, cable, open air.

WHICH INDUSTRIES USE TELECOMMUNICATIONS?

A wide range of information-transmitting technologies and communications companies exist. Examples are land line phone companies, cellular companies, radio and television broadcasting, satellite carriers and providers, internet service providers. There are military applications as well as applications in the automotive industry

HERE ARE A FEW COMPANIES THAT FREQUENTLY HIRE MSU GRADUATES WITH TELECOMMUNICATIONS EXPERTISE



ADVISERS FOR CAREERS IN TELECOMMUNICATIONS

Dr. Brock LaMeres, lameres@montana.edu
Dr. John Roudas, ioannis.roudas@montana.edu
Dr. Ross Snider, ross.snider@montana.edu

FOR ADDITIONAL INFORMATION, CONTACT:

Montana State University
Department of Electrical & Computer Engineering
610 Cobleigh Hall Bozeman, MT 59717-3780
406-994-2505
Fax: 406-994-5958
ecedept@ece.montana.edu

EE ADVISING GUIDE: TELECOMMUNICATIONS

LAUNCH-PAD COURSES FOR CAREERS IN TELECOMMUNICATIONS



TELECOMMUNICATIONS

EELE 308	Signals and Systems Analysis (4 credits)	Fall/Spring	<input type="checkbox"/>
M 221	Introduction to Linear Algebra (3 credits)	Fall/Spring/Summer	<input type="checkbox"/>
EELE 445	Telecommunication Systems (4 credits)	Spring	<input type="checkbox"/>
EELE 447	Mobile Wireless Communications (3 credits)	Fall	<input type="checkbox"/>
EELE 448	Optical Communications Systems (3 credits)	Spring	<input type="checkbox"/>



RELEVANT NON-ECE ELECTIVES

M 333	Linear Algebra (3 credits)	Fall	<input type="checkbox"/>
M 348	Techniques of Applied Math 1 (3 credits)	Fall	<input type="checkbox"/>
M 349	Techniques of Applied Math 2 (3 credits)	Spring	<input type="checkbox"/>
M 386	Software Applications in Mathematics (3 credits)	Spring	<input type="checkbox"/>

DID YOU KNOW?

The telephone is the most profitable invention in U.S. history and you can be part of that industry.