

Certificate

Communications Systems

This online certificate provides a comprehensive curriculum on digital communications systems design and analysis. It covers modulation techniques, coding, spread spectrum systems, wireless systems, and various communications protocols.

Total Units: 20

The Communications Systems program consists of four required courses and one elective course.

Completion time: 1 year to 1.25 years

Eligible and approved for:

WIOA & VA Benefits

Offered 100% online

Required

16 Units | 4 Courses

COURSE NAME & NUMBER	UNITS	Typically Offered*			
		FALL	WINTER	SPRING	SUMMER
Modern Communication Systems EC ENGR X 422.14	4.0	Online			
Satellite Communication System Design EC ENGR X 422.19	4.0		Online		
Digital and Data Communications EC ENGR X 422.20	4.0			Online	
Fiber-Optic Communications EC ENGR X 422.21	4.0				Online

Electives

4 Units | Choose 1 Course

COURSE NAME & NUMBER	UNITS	Typically Offered*			
		FALL	WINTER	SPRING	SUMMER
Modern Microwave and Millimeter-Wave Systems with DSP Enhancement EC ENGR X 423.20	4.0				
Digital Signal Processing (DSP) Applications of Communication Systems EC ENGR X 422.8	4.0				
Introduction to Modern Radar Systems EC ENGR X 422.28	4.0				

Please Note: An application and nonrefundable fee are required to establish candidacy in this program. The application and fee establishes your candidacy for a period of time covering normal progress toward completion, and may allow you to access a variety of program benefits. [Apply now](#) or visit the [certificate webpage](#) for more information.

*Courses in this program are typically offered during the quarters and format(s) outlined above. Scheduling is subject to change at any time by UCLA Extension.

Please visit our website for all current course offerings.

Contact Us

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