



Consult an academic advisor to ensure you meet all requirements. Wright State students can request to add a minor in WingsExpress.

Assured and Trusted Digital Microelectronics Minor Available for all undergraduate students

Course	CR	Sem	Gr	Title	(Prerequisites)
EE 2000/L (CEG 3320/L)	4			Digital Design with HDL and Lab	(MPL 30 or MTH 1280 minimum of C)
EE 4620/L (CEG 4324/L)	4			Dig. Integrated Circuit Design with PLDs and FPGAs and Lab	(EE 2000/L minimum of C)
EE 4540/L (CEG 4322/L)	4			VLSI Design and Lab	(EE 2000/L minimum of C)
EE 4550/L (CEG 4326/L)	4			Integrated Circuit Security and Trust and Lab	(EE 2000/L and EE 4540/L minimum of D)
	16 CH				

VLSI minor Available for non-EE majors

Course	CR	Sem	Gr	Title	(Prerequisites)
EE 2000/L (CEG 3320/L)	4			Digital Design with HDL and Lab	(MPL 30 or MTH 1280 minimum of C)
EE 4540/L (CEG 4322/L)	4			VLSI Design and Lab	(EE 2000/L minimum of C)
EE 4620/L (CEG 4324/L)	4			Dig. Integrated Circuit Design with PLDs and FPGAs and Lab	(EE 2000/L minimum of C)
Choose one:					
EE 4000	3			Linear Systems II	(EE 3210 minimum of C and MTH 2310)
EE 4100	3			Nano-fabrication of Integrated SSD	(PHY 2410/L and EE 3310/L)
CEG 3310/L	4			Computer Organization	(CS 1181 minimum of C and EE 2000)
	15-16				

Microwave minor Available for non-EE majors

Course	CR	Sem	Gr	Title	(Prerequisites)
EE 4420/L	4			Microwave Engineering I and Lab	(EE 3450/L)
EE 4460/L	4			Microwave Engineering II and Lab	(EE 4420/L)
EE 4470/L	4			Antenna Theory and Design and Lab	(EE 4420/L)
Choose one:					
EE 3450/L	4			Intro Electromagnetics and Lab	(EE 2010/L minimum of C, MTH 2320 and PHY 2410/L)
PHY 4510	3			Electricity and Magnetism II	(PHY 4500)
	15-16				

Digital Signal Processing(DSP)/Wireless minor Available for non-EE majors

Course	CR	Sem	Gr	Title	(Prerequisites)
EE 3210	3			Linear Systems I	(EE 2010/L minimum of C and CS 1180 or MTH 2310)
EE 3260	3			Random Signals and Noise	(EE 4000 minimum of C and MTH 2350)
EE 4000	3			Linear Systems II	(EE 3210 minimum of C and MTH 2310)
EE 4210/L	4			Digital Communication and Lab	(EE 4000 minimum of C)
EE 4360	3			Digital Signal Processing	(EE 4000)
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Controls Systems minor Available for non-EE majors. Admission 2.5 GPA and C or better in MTH 2300.

Course	CR	Sem	Gr	Title	(Prerequisites)
EE 4130/L	4			Cont. Control Systems and Lab	(EE 3210 or ME 3210 minimum of C and MTH 2310)
EE 4170/L	4			Digital Controls Systems	(EE 4130/L)
Choose Two:					
EE 4120/L	4			Industrial Controls and Automation	(CS 1180 or CS 1160 or CEG 2170 or ME 1020)
EE 4190/L	4			Intro to Intelligent Controls and Lab	(EE 4130/L)
EE 4560/L (CEG 4230/L)	4			Intro to Robotics and Lab	(MTH 2350)
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Electronics minor Available for non-EE majors

Course	CR	Sem	Gr	Title	(Prerequisites)
EE 3210	3			Linear Systems I	(EE 2010/L minimum of C and MTH 2310)
EE 3310/L	4			Electronic Devices and Circuits and Lab	(EE 2010/L minimum of C and MTH 2300)
EE 4100	3			Nano-fabrication of Integrated SSD	(PHY 2410/L and EE 3310/L)
EE 4440/L	4			Electronic Integrated Systems and Lab	(EE 3210 and EE 3310/L)
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