

COE Qualifying RCR Courses

	AE	CE	CHE	CPE	EE	OPE	ISE	MAE
Conflict of Interest	MAE 490, 492	CE 498, 499	CHE 448	CPE 495, 496	EE 494	OPE 459, 460	ISE 428, 429	MAE 490, 491
Human subjects, animal welfare, laboratory safety	MAE 115, 311, 370	CE 284, 370, 373, 455	CHE 295, 439, 440	CPE 325, 435	EE 214, 305, 384, 422L, 427L	OPE 456	ISE 324, 430	MAE 115, 370
Mentor/Mentee responsibilities & relationships	MAE 490, 492	CE 498, 499	CHE 448	CPE 495, 496	EE 494	OPE 459, 460	ISE 428, 429	MAE 490, 491
Collaborative research	MAE 490, 492	CE 498, 499	CHE 448	CPE 495, 496	EE 494	OPE 459, 460	ISE 327, 428, 429	MAE 490, 491
Peer review	MAE 490, 492	CE 498, 499	CHE 448	CPE 495, 496	EE 494	OPE 459, 460	ISE 428, 429	MAE 490, 491
Data acquisition, management, sharing, & ownership	MAE 311, 370	CE 373, 455, 499	CHE 439, 440	CPE 495, 496	EE 494	OPE 459, 460	ISE 428, 429	MAE 311, 370
Research misconduct & policies for handling misconduct	MAE 490, 492	CE 499L	CHE 448	CPE 495, 496	EE 494	OPE 459, 460	ISE 428, 429	MAE 490, 491
Responsible authorship & publication	MAE 200, 490	CE 498, 499	CHE 448	CPE 495, 496	EE 494	OPE 459, 460	ISE 327, 428, 429	MAE 490
Scientists' responsibility to society	MAE 490, 492	CE 498, 499, 499L	CHE 197, 448	CPE 495, 496	EE 494	OPE 459, 460	ISE 428, 429	MAE 490, 491

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COE Course Titles by Program

Dept.	Course #	Course Name
AE	115	Intro. to Machining
	311	Principles of Measurement & Instrumentation
	370	Mechanics of Materials
	490	Intro. to Engineering Design
	492	Aerospace Engineering Design
CE	284	Surveying
	370	Mechanics of Materials
	373	Soil mechanics Lab.
	455	Water Quality Lab.
	498	Civil Engineering Design I
	499	Civil Engineering Design II
	499L	Lab. Component of Civil Engineering Design II
CHE	197	Computer Methods for Chemical Engineering
	295	Nature & Properties of Materials Lab.
	439	Unit Operations Lab. I
	440	Unit Operations Lab. II
	448	Chemical Engineering Design
CPE	325	Embedded Systems Laboratory
	435	Operating Systems Lab.
	495	Computer Engineering Design I
	496	Computer Engineering Design II
EE	214	Electronic Measurement Lab.
	305	Electronics Devices & Design Lab.
	384	Digital Signal Processing Lab.
	422L	Lab. Component of Advanced Logic Design
	427L	Lab. Component of VLSI Design I
	494	EE Design Projects
OPE	456	Photonics Lab.
	459	Optical Engineering Design I
	460	Optical Engineering Design II
ISE	324	Work Design
	327	Management Systems Analysis
	428	Systems Analysis & Design I
	429	Systems Analysis & Design II
	430	Manufacturing Systems & Facilities Design
MAE	115	Intro. to Machining
	311	Principles of Measurement & Instrumentation
	370	Mechanics of Materials
	490	Intro. to Engineering Design
	491	Mechanical Engineering Design