

2021-2022 MSREE Curriculum Map

	Sequence	Fall 2021	Winter 2022	Spring 2022	
Required		REE 511 - Research Methods/Innovation I	REE 512 - Research Methods/Innov II	REE 513 - Research Methods/Innov III	
Required		REE 515 - Energy Engineering I	REE 516 - Energy Engineering II	REE 517 - Energy Engineering III	Concurrent BS/MS REE students can use three graduate REE electives.
REE Specialization sequences (2 required)	<i>Electrical Power Systems</i>	REE 529 - Power System Analysis	REE 549 - Power System Protection/Control	REE 569 - Grid Integration of Renewables	MSREE students are required to complete two REE specialization sequences. Nine more credits are required: this can be a third sequence or three advisor approved classes
	<i>Energy Efficient Buildings</i>	REE 533 - Heating, Ventilation/Air Condi	REE 553 - Energy Systems Mgmt/Auditing	REE 573 - Energy Efficient Bldg Design	
	<i>Energy Storage</i>	REE 581 - Energy Storage Fundamentals	REE 582 - Introduction to Batteries	REE 583 - Intro to Fuel Cells	
	<i>Electric Vehicle</i>	REE 521 - Electric Vehicles I	REE 522 - Electric Vehicles II	REE 523 - Electric Vehicles III	
	<i>Engineering Analytics</i>	REE 507 - Energy Engr Analytics I	REE 507 - Energy Engr Analytics II	REE 507 - Energy Engr Analytics III	
REE Electives		SEM 521 - Systems Engineering	SEM 522 - Advanced Sys Engr	SEM 525 - Adv. Engr. Mgmt	
Research	<i>Graduate Thesis or Project</i>	ENGR 596 - Graduate R & D	ENGR 596 - Graduate R & D	ENGR 596 - Graduate R & D	Take ENGR 596 for two terms and then select either ENGR 597 or ENGR 598, or continue with ENGR 596 in consultation with your advisor. Course-only students should replace this with approved REE sequence. For more detail refer to MSREE Degree Options .
		ENGR 597 - Graduate Project	ENGR 597 - Graduate Project	ENGR 597 - Graduate Project	
		ENGR 598 - Graduate Thesis	ENGR 596 - Graduate Thesis	ENGR 596 - Graduate Thesis	

Key	Modality
	Online Only
	In-Person KF and Remote for PM
	In-person PM and Remote KF
	In person on both campuses or remote

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	<i>Energy Efficient Buildings</i>	REE 533 - Heating, Ventilation/Air Condi	REE 553 - Energy Systems Mgmt/Auditing	REE 573 - Energy-Efficient Bldg Design	
	<i>Photovoltaics</i>	REE 525 - Solid State Physics	REE 545 - Applied Photovoltaics	REE 565 - Semiconductor Process Engineering	
	<i>Wind</i>	REE 527 Wind Power Generators	REE 547 Electric Power Conversion	REE 567 Wind Energy Systems Integration	
Non-REE Electives		SEM 521 - Systems Engineering	SEM 522 - Advanced Sys Engr	SEM 525 - Adv. Engr. Mgmt	
Research	Graduate Thesis or Project	ENGR 596 - Graduate R & D	ENGR 596 - Graduate R & D	ENGR 596 - Graduate R & D	Take ENGR 596 for two terms and then select either ENGR 597 or ENGR 598, or continue with ENGR 596 in consultation with your advisor. Course-only students should replace this with approved REE sequence. For more detail refer to MSREE Degree Options .
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