First year				Sophomore year				
FALL		SPRING		FALL		SPRING		
ENGL 101		ENGL 102		COMM 111		General Education*		
(English 1)		(English 2)		(Public Speaking)		H/ FA /S&BS		
Pre-req: see catalog		Pre-req: ENGL 101		Pre-req: see catalog		see catalog & Degree Audit		
	3	with 'C' or better	3		3	Must be from an approved list	3	
MATH 242		MATH 243		MATH 344		MATH 555		
(Calculus 1)		(Calculus II)		(Calculus 3)		(Differential Equations)		
Pre-req: see catalog	_	Pre-req: MATH 242	_	Pre-req: MATH 243	١,	Pre-req: MATH 243	١,	
with 'C' or better	5	with 'C' or better	5	with 'C' or better	3	with 'C' or better	3	
CHEM 211 & L (General Chemistry 1)		PHYS 313 (Physics for Scientists I)		PHYS 314		ME 398		
co-req: see catalog		Co-req: MATH 243		(Physics for Scientists II) Pre-reg: MATH 243, PHYS		(Thermodynamics 1) Pre-reg: MATH 243 and PHYS 313		
co req. see catalog	5	with 'C' or better	4	313 with 'C' or better	4	with 'C' or better	3	
IME 222		PHYS 315	_	ME 250		ME 325	-	
(Engineering Graphics)		(Physics I Lab)		(Materials Engineering)		(Numerical Methods)		
Pre-reg: MATH 123 or		Pre-reg: MATH 242		Pre-reg: CHEM 211 and		Pre-reg: MATH 243 and PHYS 313		
equivalent		Co-req: PHYS 313		MATH 242		with 'C' or better		
with 'C' or better	2	with 'C' or better	1	with 'C' or better	3		3	
IME 222 L		General Education*		ME 251		AE 333		
(Engineering Graphics Lab)		H /FA/S&BS/FYS		(Materials Engineering Lab)		(Mechanics of Materials)		
Pre-req: MATH 123 or		see catalog & Degree Audit		Co-req: ME 250		Pre-req: AE 223		
equivalent with 'C' or better/Co-re: IME 222	1	Must be from an approved list	3	with 'C' or better	1	Pre or co-req: MATH 344 with 'C' or better	3	
Detter/ed Te. HVIE 222		Engineer +		AE 223	_	ME 335	-	
		requirement 1of 3**		(Statics)		(Dynamics for ME Engineers)		
		See webpage & the list of		Pre-reg: PHYS 313		Pre-req: AE 223 and MATH 344		
		approved courses or activities		Co-req: MATH 243		with 'C' or better		
		approved courses or activities		with 'C' or better	3		3	
	16		16		17		18	
Junior year					Sen	ior year		
FALL								
FALL		SPRING		FALL		SPRING		
FALL PHIL 385		SPRING General Education*		FALL Natural Science/		SPRING Mechanical Elective*		
PHIL 385 (Engineering Ethics)		General Education* H/FA/S&BS		Natural Science/ GenEd				
PHIL 385		General Education* H/FA/S&BS see catalog & Degree Audit		Natural Science/ GenEd see catalog & Degree		Mechanical Elective*		
PHIL 385 (Engineering Ethics)		General Education* H/FA/S&BS	2	Natural Science/ GenEd see catalog & Degree Audit. Must be from an	2	Mechanical Elective*	2	
PHIL 385 (Engineering Ethics) Juniors or Seniors only	3	General Education* H/FA/S&BS see catalog & Degree Audit Must be from an approved list	3	Natural Science/ GenEd see catalog & Degree Audit. Must be from an approved list	3	Mechanical Elective* Pre-req: see catalog & advisor	3	
PHIL 385 (Engineering Ethics) Juniors or Seniors only ECE 282 &L	3	General Education* H/FA/S&BS see catalog & Degree Audit Must be from an approved list ME 475	3	Natural Science/ GenEd see catalog & Degree Audit. Must be from an approved list ME 541	3	Mechanical Elective* Pre-req: see catalog & advisor ME 659	3	
PHIL 385 (Engineering Ethics) Juniors or Seniors only ECE 282 &L (Circuits 1)	3	General Education* H/FA/S&BS see catalog & Degree Audit Must be from an approved list ME 475 (Integrated Design & Mfg)	3	Natural Science/ GenEd see catalog & Degree Audit. Must be from an approved list ME 541 (Mech Engineering Design II)	3	Mechanical Elective* Pre-req: see catalog & advisor ME 659 (Mechanical Control Systems)	3	
PHIL 385 (Engineering Ethics) Juniors or Seniors only ECE 282 &L (Circuits 1) Pre or co-req: MATH 243	3	General Education* H/FA/S&BS see catalog & Degree Audit Must be from an approved list ME 475 (Integrated Design & Mfg) Pre-req: ME 250, ME 251, AE 333	3	Natural Science/ GenEd see catalog & Degree Audit. Must be from an approved list ME 541 (Mech Engineering Design II) Pre-req: ME 339, ME 439.	3	Mechanical Elective* Pre-req: see catalog & advisor ME 659 (Mechanical Control Systems) Pre-req: ECE 282 and MATH 555	3	
PHIL 385 (Engineering Ethics) Juniors or Seniors only ECE 282 &L (Circuits 1)	3	General Education* H/FA/S&BS see catalog & Degree Audit Must be from an approved list ME 475 (Integrated Design & Mfg) Pre-req: ME 250, ME 251, AE 333 with 'C' or better	3	Natural Science/ GenEd see catalog & Degree Audit. Must be from an approved list ME 541 (Mech Engineering Design II)	3	Mechanical Elective* Pre-req: see catalog & advisor ME 659 (Mechanical Control Systems)	3	
PHIL 385 (Engineering Ethics) Juniors or Seniors only ECE 282 &L (Circuits 1) Pre or co-req: MATH 243 with 'C' or better		General Education* H/FA/S&BS see catalog & Degree Audit Must be from an approved list ME 475 (Integrated Design & Mfg) Pre-req: ME 250, ME 251, AE 333		Natural Science/ GenEd see catalog & Degree Audit. Must be from an approved list ME 541 (Mech Engineering Design II) Pre-req: ME 339, ME 439. Pre or Co-req: ME 475		Mechanical Elective* Pre-req: see catalog & advisor ME 659 (Mechanical Control Systems) Pre-req: ECE 282 and MATH 555		
PHIL 385 (Engineering Ethics) Juniors or Seniors only ECE 282 &L (Circuits 1) Pre or co-req: MATH 243		General Education* H/FA/S&BS see catalog & Degree Audit Must be from an approved list ME 475 (Integrated Design & Mfg) Pre-req: ME 250, ME 251, AE 333 with 'C' or better Pre or co-req ME 439		Natural Science/ GenEd see catalog & Degree Audit. Must be from an approved list ME 541 (Mech Engineering Design II) Pre-req: ME 339, ME 439. Pre or Co-req: ME 475 with 'C' or better		Mechanical Elective* Pre-req: see catalog & advisor ME 659 (Mechanical Control Systems) Pre-req: ECE 282 and MATH 555 OR ECE 383 with 'C' or better		
PHIL 385 (Engineering Ethics) Juniors or Seniors only ECE 282 &L (Circuits 1) Pre or co-req: MATH 243 with 'C' or better ME 339 (Design of Machinery) Pre-req: IME 222 & ME335		General Education* H/FA/S&BS see catalog & Degree Audit Must be from an approved list ME 475 (Integrated Design & Mfg) Pre-req: ME 250, ME 251, AE 333 with 'C' or better Pre or co-req ME 439 ME 522 (Heat Transfer) Pre-req: ME 325, ME 521 and		Natural Science/ GenEd see catalog & Degree Audit. Must be from an approved list ME 541 (Mech Engineering Design II) Pre-req: ME 339, ME 439. Pre or Co-req: ME 475 with 'C' or better ME 625 (Application in Thermal Eng) Pre-req: ME 521, ME 522		Mechanical Elective* Pre-req: see catalog & advisor ME 659 (Mechanical Control Systems) Pre-req: ECE 282 and MATH 555 OR ECE 383 with 'C' or better ME 633 & L (ME Systems Lab) Pre-req: ME 522 and ME 533		
PHIL 385 (Engineering Ethics) Juniors or Seniors only ECE 282 &L (Circuits 1) Pre or co-req: MATH 243 with 'C' or better ME 339 (Design of Machinery)	4	General Education* H/FA/S&BS see catalog & Degree Audit Must be from an approved list ME 475 (Integrated Design & Mfg) Pre-req: ME 250, ME 251, AE 333 with 'C' or better Pre or co-req ME 439 ME 522 (Heat Transfer) Pre-req: ME 325, ME 521 and PHYS 314	3	Natural Science/ GenEd see catalog & Degree Audit. Must be from an approved list ME 541 (Mech Engineering Design II) Pre-req: ME 339, ME 439. Pre or Co-req: ME 475 with 'C' or better ME 625 (Application in Thermal Eng) Pre-req: ME 521, ME 522 Pre or Co-req: ME 533	3	Mechanical Elective* Pre-req: see catalog & advisor ME 659 (Mechanical Control Systems) Pre-req: ECE 282 and MATH 555 OR ECE 383 with 'C' or better ME 633 & L (ME Systems Lab)	3	
PHIL 385 (Engineering Ethics) Juniors or Seniors only ECE 282 & L (Circuits 1) Pre or co-req: MATH 243 with 'C' or better ME 339 (Design of Machinery) Pre-req: IME 222 & ME335 with 'C' or better		General Education* H/FA/S&BS see catalog & Degree Audit Must be from an approved list ME 475 (Integrated Design & Mfg) Pre-req: ME 250, ME 251, AE 333 with 'C' or better Pre or co-req ME 439 ME 522 (Heat Transfer) Pre-req: ME 325, ME 521 and PHYS 314 with 'C' or better		Natural Science/ GenEd see catalog & Degree Audit. Must be from an approved list ME 541 (Mech Engineering Design II) Pre-req: ME 339, ME 439. Pre or Co-req: ME 475 with 'C' or better ME 625 (Application in Thermal Eng) Pre-req: ME 521, ME 522 Pre or Co-req: ME 533 with 'C' or better		Mechanical Elective* Pre-req: see catalog & advisor ME 659 (Mechanical Control Systems) Pre-req: ECE 282 and MATH 555 OR ECE 383 with 'C' or better ME 633 & L (ME Systems Lab) Pre-req: ME 522 and ME 533 with 'C' or better		
PHIL 385 (Engineering Ethics) Juniors or Seniors only ECE 282 & L (Circuits 1) Pre or co-req: MATH 243 with 'C' or better ME 339 (Design of Machinery) Pre-req: IME 222 & ME335 with 'C' or better	4	General Education* H/FA/S&BS see catalog & Degree Audit Must be from an approved list ME 475 (Integrated Design & Mfg) Pre-req: ME 250, ME 251, AE 333 with 'C' or better Pre or co-req ME 439 ME 522 (Heat Transfer) Pre-req: ME 325, ME 521 and PHYS 314 with 'C' or better ME 533 & L	3	Natural Science/ GenEd see catalog & Degree Audit. Must be from an approved list ME 541 (Mech Engineering Design II) Pre-req: ME 339, ME 439. Pre or Co-req: ME 475 with 'C' or better ME 625 (Application in Thermal Eng) Pre-req: ME 521, ME 522 Pre or Co-req: ME 533 with 'C' or better Thermal Design Elec*	3	Mechanical Elective* Pre-req: see catalog & advisor ME 659 (Mechanical Control Systems) Pre-req: ECE 282 and MATH 555 OR ECE 383 with 'C' or better ME 633 & L (ME Systems Lab) Pre-req: ME 522 and ME 533 with 'C' or better ME 662	3	
PHIL 385 (Engineering Ethics) Juniors or Seniors only ECE 282 &L (Circuits 1) Pre or co-req: MATH 243 with 'C' or better ME 339 (Design of Machinery) Pre-req: IME 222 & ME335 with 'C' or better ME 521 & L (Fluid Mechanics)	4	General Education* H/FA/S&BS see catalog & Degree Audit Must be from an approved list ME 475 (Integrated Design & Mfg) Pre-req: ME 250, ME 251, AE 333 with 'C' or better Pre or co-req ME 439 ME 522 (Heat Transfer) Pre-req: ME 325, ME 521 and PHYS 314 with 'C' or better ME 533 & L (ME Lab)	3	Natural Science/ GenEd see catalog & Degree Audit. Must be from an approved list ME 541 (Mech Engineering Design II) Pre-req: ME 339, ME 439. Pre or Co-req: ME 475 with 'C' or better ME 625 (Application in Thermal Eng) Pre-req: ME 521, ME 522 Pre or Co-req: ME 533 with 'C' or better Thermal Design Elec* Pre-req: see catalog &	3	Mechanical Elective* Pre-req: see catalog & advisor ME 659 (Mechanical Control Systems) Pre-req: ECE 282 and MATH 555 OR ECE 383 with 'C' or better ME 633 & L (ME Systems Lab) Pre-req: ME 522 and ME 533 with 'C' or better ME 662 (Senior Capstone Design)	3	
PHIL 385 (Engineering Ethics) Juniors or Seniors only ECE 282 & L (Circuits 1) Pre or co-req: MATH 243 with 'C' or better ME 339 (Design of Machinery) Pre-req: IME 222 & ME335 with 'C' or better	4	General Education* H/FA/S&BS see catalog & Degree Audit Must be from an approved list ME 475 (Integrated Design & Mfg) Pre-req: ME 250, ME 251, AE 333 with 'C' or better Pre or co-req ME 439 ME 522 (Heat Transfer) Pre-req: ME 325, ME 521 and PHYS 314 with 'C' or better ME 533 & L	3	Natural Science/ GenEd see catalog & Degree Audit. Must be from an approved list ME 541 (Mech Engineering Design II) Pre-req: ME 339, ME 439. Pre or Co-req: ME 475 with 'C' or better ME 625 (Application in Thermal Eng) Pre-req: ME 521, ME 522 Pre or Co-req: ME 533 with 'C' or better Thermal Design Elec*	3	Mechanical Elective* Pre-req: see catalog & advisor ME 659 (Mechanical Control Systems) Pre-req: ECE 282 and MATH 555 OR ECE 383 with 'C' or better ME 633 & L (ME Systems Lab) Pre-req: ME 522 and ME 533 with 'C' or better ME 662	3	
PHIL 385 (Engineering Ethics) Juniors or Seniors only ECE 282 &L (Circuits 1) Pre or co-req: MATH 243 with 'C' or better ME 339 (Design of Machinery) Pre-req: IME 222 & ME335 with 'C' or better ME 521 & L (Fluid Mechanics) Pre-req: ME 398, MATH 555,	4	General Education* H/FA/S&BS see catalog & Degree Audit Must be from an approved list ME 475 (Integrated Design & Mfg) Pre-req: ME 250, ME 251, AE 333 with 'C' or better Pre or co-req ME 439 ME 522 (Heat Transfer) Pre-req: ME 325, ME 521 and PHYS 314 with 'C' or better ME 533 & L (ME Lab) Pre-req: AE 333, ECE 282, ME 325,	3	Natural Science/ GenEd see catalog & Degree Audit. Must be from an approved list ME 541 (Mech Engineering Design II) Pre-req: ME 339, ME 439. Pre or Co-req: ME 475 with 'C' or better ME 625 (Application in Thermal Eng) Pre-req: ME 521, ME 522 Pre or Co-req: ME 533 with 'C' or better Thermal Design Elec* Pre-req: see catalog &	3	Mechanical Elective* Pre-req: see catalog & advisor ME 659 (Mechanical Control Systems) Pre-req: ECE 282 and MATH 555 OR ECE 383 with 'C' or better ME 633 & L (ME Systems Lab) Pre-req: ME 522 and ME 533 with 'C' or better ME 662 (Senior Capstone Design) Pre-Req: ME 541, ME 522	3	
PHIL 385 (Engineering Ethics) Juniors or Seniors only ECE 282 &L (Circuits 1) Pre or co-req: MATH 243 with 'C' or better ME 339 (Design of Machinery) Pre-req: IME 222 & ME335 with 'C' or better ME 521 & L (Fluid Mechanics) Pre-req: ME 398, MATH 555, ME 335	4	General Education* H/FA/S&BS see catalog & Degree Audit Must be from an approved list ME 475 (Integrated Design & Mfg) Pre-req: ME 250, ME 251, AE 333 with 'C' or better Pre or co-req ME 439 ME 522 (Heat Transfer) Pre-req: ME 325, ME 521 and PHYS 314 with 'C' or better ME 533 & L (ME Lab) Pre-req: AE 333, ECE 282, ME 325, ENGL 102, COMM 111, PHYS 315	3	Natural Science/ GenEd see catalog & Degree Audit. Must be from an approved list ME 541 (Mech Engineering Design II) Pre-req: ME 339, ME 439. Pre or Co-req: ME 475 with 'C' or better ME 625 (Application in Thermal Eng) Pre-req: ME 521, ME 522 Pre or Co-req: ME 533 with 'C' or better Thermal Design Elec* Pre-req: see catalog &	3	Mechanical Elective* Pre-req: see catalog & advisor ME 659 (Mechanical Control Systems) Pre-req: ECE 282 and MATH 555 OR ECE 383 with 'C' or better ME 633 & L (ME Systems Lab) Pre-req: ME 522 and ME 533 with 'C' or better ME 662 (Senior Capstone Design) Pre-Req: ME 541, ME 522 With C' or better	3	
PHIL 385 (Engineering Ethics) Juniors or Seniors only ECE 282 &L (Circuits 1) Pre or co-req: MATH 243 with 'C' or better ME 339 (Design of Machinery) Pre-req: IME 222 & ME335 with 'C' or better ME 521 & L (Fluid Mechanics) Pre-req: ME 398, MATH 555, ME 335 with 'C' or better	3	General Education* H/FA/S&BS see catalog & Degree Audit Must be from an approved list ME 475 (Integrated Design & Mfg) Pre-req: ME 250, ME 251, AE 333 with 'C' or better Pre or co-req ME 439 ME 522 (Heat Transfer) Pre-req: ME 325, ME 521 and PHYS 314 with 'C' or better ME 533 & L (ME Lab) Pre-req: AE 333, ECE 282, ME 325, ENGL 102, COMM 111, PHYS 315 Pre or co-req: ME 522 with 'C' or better Technical Open Elective*	3	Natural Science/ GenEd see catalog & Degree Audit. Must be from an approved list ME 541 (Mech Engineering Design II) Pre-req: ME 339, ME 439. Pre or Co-req: ME 475 with 'C' or better ME 625 (Application in Thermal Eng) Pre-req: ME 521, ME 522 Pre or Co-req: ME 533 with 'C' or better Thermal Design Elec* Pre-req: see catalog & advisor	3	Mechanical Elective* Pre-req: see catalog & advisor ME 659 (Mechanical Control Systems) Pre-req: ECE 282 and MATH 555 OR ECE 383 with 'C' or better ME 633 & L (ME Systems Lab) Pre-req: ME 522 and ME 533 with 'C' or better ME 662 (Senior Capstone Design) Pre-Req: ME 541, ME 522 With C' or better Pre or Co-req: ME 633, ME 659	3	
PHIL 385 (Engineering Ethics) Juniors or Seniors only ECE 282 &L (Circuits 1) Pre or co-req: MATH 243 with 'C' or better ME 339 (Design of Machinery) Pre-req: IME 222 & ME335 with 'C' or better ME 521 & L (Fluid Mechanics) Pre-req: ME 398, MATH 555, ME 335 with 'C' or better ME 439 (ME Design 1)	3	General Education* H/FA/S&BS see catalog & Degree Audit Must be from an approved list ME 475 (Integrated Design & Mfg) Pre-req: ME 250, ME 251, AE 333 with 'C' or better Pre or co-req ME 439 ME 522 (Heat Transfer) Pre-req: ME 325, ME 521 and PHYS 314 with 'C' or better ME 533 & L (ME Lab) Pre-req: AE 333, ECE 282, ME 325, ENGL 102, COMM 111, PHYS 315 Pre or co-req: ME 522 with 'C' or better	3	Natural Science/ GenEd see catalog & Degree Audit. Must be from an approved list ME 541 (Mech Engineering Design II) Pre-req: ME 339, ME 439. Pre or Co-req: ME 475 with 'C' or better ME 625 (Application in Thermal Eng) Pre-req: ME 521, ME 522 Pre or Co-req: ME 533 with 'C' or better Thermal Design Elec* Pre-req: see catalog & advisor	3	Mechanical Elective* Pre-req: see catalog & advisor ME 659 (Mechanical Control Systems) Pre-req: ECE 282 and MATH 555 OR ECE 383 with 'C' or better ME 633 & L (ME Systems Lab) Pre-req: ME 522 and ME 533 with 'C' or better ME 662 (Senior Capstone Design) Pre-Req: ME 541, ME 522 With C' or better Pre or Co-req: ME 633, ME 659	3	
PHIL 385 (Engineering Ethics) Juniors or Seniors only ECE 282 &L (Circuits 1) Pre or co-req: MATH 243 with 'C' or better ME 339 (Design of Machinery) Pre-req: IME 222 & ME335 with 'C' or better ME 521 & L (Fluid Mechanics) Pre-req: ME 398, MATH 555, ME 335 with 'C' or better ME 439 (ME Design 1) Pre-req: ME 250, ME 251,	3	General Education* H/FA/S&BS see catalog & Degree Audit Must be from an approved list ME 475 (Integrated Design & Mfg) Pre-req: ME 250, ME 251, AE 333 with 'C' or better Pre or co-req ME 439 ME 522 (Heat Transfer) Pre-req: ME 325, ME 521 and PHYS 314 with 'C' or better ME 533 & L (ME Lab) Pre-req: AE 333, ECE 282, ME 325, ENGL 102, COMM 111, PHYS 315 Pre or co-req: ME 522 with 'C' or better Technical Open Elective*	3	Natural Science/ GenEd see catalog & Degree Audit. Must be from an approved list ME 541 (Mech Engineering Design II) Pre-req: ME 339, ME 439. Pre or Co-req: ME 475 with 'C' or better ME 625 (Application in Thermal Eng) Pre-req: ME 521, ME 522 Pre or Co-req: ME 533 with 'C' or better Thermal Design Elec* Pre-req: see catalog & advisor	3	Mechanical Elective* Pre-req: see catalog & advisor ME 659 (Mechanical Control Systems) Pre-req: ECE 282 and MATH 555 OR ECE 383 with 'C' or better ME 633 & L (ME Systems Lab) Pre-req: ME 522 and ME 533 with 'C' or better ME 662 (Senior Capstone Design) Pre-Req: ME 541, ME 522 With C' or better Pre or Co-req: ME 633, ME 659	3	
PHIL 385 (Engineering Ethics) Juniors or Seniors only ECE 282 &L (Circuits 1) Pre or co-req: MATH 243 with 'C' or better ME 339 (Design of Machinery) Pre-req: IME 222 & ME335 with 'C' or better ME 521 & L (Fluid Mechanics) Pre-req: ME 398, MATH 555, ME 335 with 'C' or better ME 439 (ME Design 1) Pre-req: ME 250, ME 251, AE 333, MATH 555 with 'C'	3	General Education* H/FA/S&BS see catalog & Degree Audit Must be from an approved list ME 475 (Integrated Design & Mfg) Pre-req: ME 250, ME 251, AE 333 with 'C' or better Pre or co-req ME 439 ME 522 (Heat Transfer) Pre-req: ME 325, ME 521 and PHYS 314 with 'C' or better ME 533 & L (ME Lab) Pre-req: AE 333, ECE 282, ME 325, ENGL 102, COMM 111, PHYS 315 Pre or co-req: ME 522 with 'C' or better Technical Open Elective*	3	Natural Science/ GenEd see catalog & Degree Audit. Must be from an approved list ME 541 (Mech Engineering Design II) Pre-req: ME 339, ME 439. Pre or Co-req: ME 475 with 'C' or better ME 625 (Application in Thermal Eng) Pre-req: ME 521, ME 522 Pre or Co-req: ME 533 with 'C' or better Thermal Design Elec* Pre-req: see catalog & advisor	3	Mechanical Elective* Pre-req: see catalog & advisor ME 659 (Mechanical Control Systems) Pre-req: ECE 282 and MATH 555 OR ECE 383 with 'C' or better ME 633 & L (ME Systems Lab) Pre-req: ME 522 and ME 533 with 'C' or better ME 662 (Senior Capstone Design) Pre-Req: ME 541, ME 522 With C' or better Pre or Co-req: ME 633, ME 659	3	
PHIL 385 (Engineering Ethics) Juniors or Seniors only ECE 282 &L (Circuits 1) Pre or co-req: MATH 243 with 'C' or better ME 339 (Design of Machinery) Pre-req: IME 222 & ME335 with 'C' or better ME 521 & L (Fluid Mechanics) Pre-req: ME 398, MATH 555, ME 335 with 'C' or better ME 439 (ME Design 1) Pre-req: ME 250, ME 251, AE 333, MATH 555 with 'C' or better	3	General Education* H/FA/S&BS see catalog & Degree Audit Must be from an approved list ME 475 (Integrated Design & Mfg) Pre-req: ME 250, ME 251, AE 333 with 'C' or better Pre or co-req ME 439 ME 522 (Heat Transfer) Pre-req: ME 325, ME 521 and PHYS 314 with 'C' or better ME 533 & L (ME Lab) Pre-req: AE 333, ECE 282, ME 325, ENGL 102, COMM 111, PHYS 315 Pre or co-req: ME 522 with 'C' or better Technical Open Elective* Pre-req: see catalog & advisor	3	Natural Science/ GenEd see catalog & Degree Audit. Must be from an approved list ME 541 (Mech Engineering Design II) Pre-req: ME 339, ME 439. Pre or Co-req: ME 475 with 'C' or better ME 625 (Application in Thermal Eng) Pre-req: ME 521, ME 522 Pre or Co-req: ME 533 with 'C' or better Thermal Design Elec* Pre-req: see catalog & advisor Mech Design Elective* Pre-req: see catalog & advisor	3	Mechanical Elective* Pre-req: see catalog & advisor ME 659 (Mechanical Control Systems) Pre-req: ECE 282 and MATH 555 OR ECE 383 with 'C' or better ME 633 & L (ME Systems Lab) Pre-req: ME 522 and ME 533 with 'C' or better ME 662 (Senior Capstone Design) Pre-Req: ME 541, ME 522 With C' or better Pre or Co-req: ME 633, ME 659	3	
PHIL 385 (Engineering Ethics) Juniors or Seniors only ECE 282 &L (Circuits 1) Pre or co-req: MATH 243 with 'C' or better ME 339 (Design of Machinery) Pre-req: IME 222 & ME335 with 'C' or better ME 521 & L (Fluid Mechanics) Pre-req: ME 398, MATH 555, ME 335 with 'C' or better ME 439 (ME Design 1) Pre-req: ME 250, ME 251, AE 333, MATH 555 with 'C' or better Engineer +	3	General Education* H/FA/S&BS see catalog & Degree Audit Must be from an approved list ME 475 (Integrated Design & Mfg) Pre-req: ME 250, ME 251, AE 333 with 'C' or better Pre or co-req ME 439 ME 522 (Heat Transfer) Pre-req: ME 325, ME 521 and PHYS 314 with 'C' or better ME 533 & L (ME Lab) Pre-req: AE 333, ECE 282, ME 325, ENGL 102, COMM 111, PHYS 315 Pre or co-req: ME 522 with 'C' or better Technical Open Elective* Pre-req: see catalog & advisor	3	Natural Science/ GenEd see catalog & Degree Audit. Must be from an approved list ME 541 (Mech Engineering Design II) Pre-req: ME 339, ME 439. Pre or Co-req: ME 475 with 'C' or better ME 625 (Application in Thermal Eng) Pre-req: ME 521, ME 522 Pre or Co-req: ME 533 with 'C' or better Thermal Design Elec* Pre-req: see catalog & advisor Mech Design Elective* Pre-req: see catalog & advisor	3	Mechanical Elective* Pre-req: see catalog & advisor ME 659 (Mechanical Control Systems) Pre-req: ECE 282 and MATH 555 OR ECE 383 with 'C' or better ME 633 & L (ME Systems Lab) Pre-req: ME 522 and ME 533 with 'C' or better ME 662 (Senior Capstone Design) Pre-Req: ME 541, ME 522 With C' or better Pre or Co-req: ME 633, ME 659	3	
PHIL 385 (Engineering Ethics) Juniors or Seniors only ECE 282 &L (Circuits 1) Pre or co-req: MATH 243 with 'C' or better ME 339 (Design of Machinery) Pre-req: IME 222 & ME335 with 'C' or better ME 521 & L (Fluid Mechanics) Pre-req: ME 398, MATH 555, ME 335 with 'C' or better ME 439 (ME Design 1) Pre-req: ME 250, ME 251, AE 333, MATH 555 with 'C' or better	3	General Education* H/FA/S&BS see catalog & Degree Audit Must be from an approved list ME 475 (Integrated Design & Mfg) Pre-req: ME 250, ME 251, AE 333 with 'C' or better Pre or co-req ME 439 ME 522 (Heat Transfer) Pre-req: ME 325, ME 521 and PHYS 314 with 'C' or better ME 533 & L (ME Lab) Pre-req: AE 333, ECE 282, ME 325, ENGL 102, COMM 111, PHYS 315 Pre or co-req: ME 522 with 'C' or better Technical Open Elective* Pre-req: see catalog & advisor	3	Natural Science/ GenEd see catalog & Degree Audit. Must be from an approved list ME 541 (Mech Engineering Design II) Pre-req: ME 339, ME 439. Pre or Co-req: ME 475 with 'C' or better ME 625 (Application in Thermal Eng) Pre-req: ME 521, ME 522 Pre or Co-req: ME 533 with 'C' or better Thermal Design Elec* Pre-req: see catalog & advisor Mech Design Elective* Pre-req: see catalog & advisor	3	Mechanical Elective* Pre-req: see catalog & advisor ME 659 (Mechanical Control Systems) Pre-req: ECE 282 and MATH 555 OR ECE 383 with 'C' or better ME 633 & L (ME Systems Lab) Pre-req: ME 522 and ME 533 with 'C' or better ME 662 (Senior Capstone Design) Pre-Req: ME 541, ME 522 With C' or better Pre or Co-req: ME 633, ME 659	3	
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<u>Check all degree/grade/graduation/ pre-req & co-req requirements with your course catalog term requirements and degree work audit.</u>

All major courses and pre-requisite courses need a "C" or better. Review your catalog term/ degree/graduation requirement before enrolling in a class.

Pre-req means the course must be taken as a prior condition for enrolling in the next course. For pre-req courses the grade requirement is a "C" or better.

Co-reg means the course must be taken simultaneously with the other course listed as a co-requisite.

Pre-req with CC (Pre or Co-req) means the course can be completed as a pre-req, before taking the listed course, OR it can also be taken at the same time with the other course listed

- * GenEd and Elective Courses must be from an approved list. Must check with advisor and degree audit. Check catalog requirement
- **ENG+ activities need Chair's pre-approval, and course must be from an approved list (wichita.edu/engr+)

GenEd (21 crd hrs). Check your catalog term, degree work audit, and with your advisor

Math & NS (33 crd hrs). Check your catalog term, degree work audit, and with your advisor

Major and Electives (73 crd hrs). Check your catalog term, degree work audit, and with your advisor

E + (0-3 crd hrs options). Check your catalog term, degree work audit, and with your advisor

Total 128 crd hrs for student with catalog term of fall 2018 and after.

Note: This check sheet is the same as the ME check sheet of Fall '20 and after (except 1 change in pre-req requirements of ME339. Previously ME335 was a co-req, now it's a pre-req for ME339).