Mechanical Engineering Technology - Calculus I

2023-2024 Catalog: Sample Four-Year Schedule

	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
	MATH	Calculus I	4	F., Sp.,	MATH	Calculus II	3	F., Sp.,
	1710	Pre-req: MATH 1650 or Test Placement		Su.	1720	Pre-req: MATH 1710		Su.
	CHEM	General Chemistry I	3	F., Sp.,	PHYS	Mechanics	3	F., Sp.,
	1410	Pre-req: MATH 1100 or higher		Su.	1710	Pre-req: MATH 1710		Su.
ā	CHEM	General Chemistry I Lab	1	F., Sp.,	PHYS	Mechanics Lab	1	F., Sp.,
ő	1430	Co/Pre-req: CHEM 1410		Su.	1730	Co/Pre-req: PHYS 1710		Su.
Ē	ENGR	Technological Systems	3	F., Sp.	TECM	Technical Writing	3	F., Sp.,
Year One	1030	700			2700	Pre-req: Communication Core		Su.
	ENGR 1304	Engineering Graphics	3	F., Sp.	University Core	University Core – American History I	3	F., Sp., Su.
	Comm.	University Core – Communication	3	F., Sp.,	University	University Core – Federal	3	F., Sp.,
	Core	Oniversity core Communication		Su.	Core	Government		Su.
	Total				Total	Government	16	
	Hours		17		Hours		10	
	nours		17		nours			
ı	DLIVC	et		Г С-	ENCD		1 2	Г С-
	PHYS 2220	Electricity and Magnetism	3	F., Sp.,	ENGR	Dynamics	3	F., Sp.,
Year Two		Pre-reqs: MATH 1720, PHYS 1710, 1730		Su.	2302	Pre-reqs: ENGR 2301, MATH 1720		Su.
	PHYS	Electricity and Magnetism Lab	1	F., Sp.,	ENGR	Mechanics of Materials	3	F., Sp.,
	2240	Co-req/pre-req: PHYS 2220		Su.	2332	Pre-regs: ENGR 2301		Su.
	ENGR	Statics	3	F., Sp.,	EENG	Circuit Analysis	3	F., Sp.,
	2301	Pre-reqs: PHYS 1710, 1730		Su.	2610	Pre-req: MATH 1720 Co/Pre-req: PHYS 2220/2240		Su.
, es	CSCE	Computer Science I	4	F., Sp.	EENG	Circuit Analysis Lab	1	F., Sp.,
>	1030	Pre-reg: MATH 1650 or Co-reg: MATH 1710			2611	Co/Pre-reg: EENG 2610		Su.
	University Core	University Core – American History II	3	F., Sp., Su.	University Core	University Core – State Government	3	F., Sp., Su.
	Total				Total			
	Hours		14		Hours		14	
	ENGR	Engineering Materials	4	F., Sp.	MEET	Digital Controls of Industrial Processes	3	Sp.
	3450	Pre-regs: ENGR 2332, CHEM 1410/1430 and PHYS 1710/1730			3980	Pre-reqs: EENG 2610/2611 and CSCE 1030		
-		1710/1730	3	F., Sp.,			3	Sp.
-	MEET	1710/1730 Fluid Mechanics	3	F., Sp., Su.	MEET	Design of Mechanical Components	3	Sp.
a a	MEET 3940	1710/1730 Fluid Mechanics Pre-req: ENGR 2302, MATH 1720		Su.	MEET 3650	Design of Mechanical Components Pre-req: ENGR 2332		·
ıree	MEET 3940 MEET	1710/1730 Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics	3	Su. F., Sp.,	MEET 3650 MFET	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance	3	Sp.
Three	MEET 3940 MEET 3990	1710/1730 Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430	3	Su. F., Sp., Su.	MEET 3650 MFET 4190	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance Pre-req: MATH 1720	3	Sp.
Year Three	MEET 3940 MEET	1710/1730 Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics		Su. F., Sp.,	MEET 3650 MFET	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance Pre-req: MATH 1720 CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and		·
Year Three	MEET 3940 MEET 3990 MFET 3110	1710/1730 Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430 Machining Principles and Processes Pre-req: MATH 1650	3	Su. F., Sp., Su. F., Sp.	MEET 3650 MFET 4190 MFET	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance Pre-req: MATH 1720 CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and MATH/PHYS/CHEM requirements	3	Sp. F., Sp.
Year Three	MEET 3940 MEET 3990 MFET	1710/1730 Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430 Machining Principles and Processes Pre-req: MATH 1650	3	Su. F., Sp., Su.	MEET 3650 MFET 4190 MFET 4210	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance Pre-req: MATH 1720 CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and MATH/PHYS/CHEM requirements Geometric Dimens. and Tolerancing	3	Sp.
Year Three	MEET 3940 MEET 3990 MFET 3110 University Core	1710/1730 Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430 Machining Principles and Processes Pre-req: MATH 1650	3	Su. F., Sp., Su. F., Sp.	MEET 3650 MFET 4190 MFET 4210 MEET 3550	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance Pre-req: MATH 1720 CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and MATH/PHYS/CHEM requirements	3	Sp. F., Sp.
Year Three	MEET 3940 MEET 3990 MFET 3110 University Core Total	1710/1730 Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430 Machining Principles and Processes Pre-req: MATH 1650	3	Su. F., Sp., Su. F., Sp.	MEET 3650 MFET 4190 MFET 4210 MEET 3550 Total	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance Pre-req: MATH 1720 CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and MATH/PHYS/CHEM requirements Geometric Dimens. and Tolerancing	3 3	Sp. F., Sp.
Year Three	MEET 3940 MEET 3990 MFET 3110 University Core	1710/1730 Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430 Machining Principles and Processes Pre-req: MATH 1650	3	Su. F., Sp., Su. F., Sp.	MEET 3650 MFET 4190 MFET 4210 MEET 3550	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance Pre-req: MATH 1720 CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and MATH/PHYS/CHEM requirements Geometric Dimens. and Tolerancing	3	Sp. F., Sp.
Year Three	MEET 3940 MEET 3990 MFET 3110 University Core Total Hours	1710/1730 Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430 Machining Principles and Processes Pre-req: MATH 1650 University Core — Creative Arts	3 3 16	Su. F., Sp., Su. F., Sp. F., Sp., Su.	MEET 3650 MFET 4190 MFET 4210 MEET 3550 Total Hours	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance Pre-req: MATH 1720 CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and MATH/PHYS/CHEM requirements Geometric Dimens. and Tolerancing Pre-reqs: MFET 3110, ENGR 1304	3 3 3	Sp. F., Sp.
Year Three	MEET 3940 MEET 3990 MFET 3110 University Core Total Hours MEET	1710/1730 Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430 Machining Principles and Processes Pre-req: MATH 1650 University Core — Creative Arts Mechanical Design	3	Su. F., Sp., Su. F., Sp.	MEET 3650 MFET 4190 MFET 4210 MEET 3550 Total Hours	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance Pre-req: MATH 1720 CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and MATH/PHYS/CHEM requirements Geometric Dimens. and Tolerancing Pre-reqs: MFET 3110, ENGR 1304 Senior Design II	3 3	Sp. F., Sp.
Year Three	MEET 3940 MEET 3990 MFET 3110 University Core Total Hours MEET 4050	1710/1730 Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430 Machining Principles and Processes Pre-req: MATH 1650 University Core — Creative Arts Mechanical Design Pre-req: MEET 3650	3 3 16 3	Su. F., Sp., Su. F., Sp. F., Sp., Su. F.	MEET 3650 MFET 4190 MFET 4210 MEET 3550 Total Hours MEET 4790	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance Pre-req: MATH 1720 CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and MATH/PHYS/CHEM requirements Geometric Dimens. and Tolerancing Pre-reqs: MFET 3110, ENGR 1304 Senior Design II Pre-req: MEET 4780	3 3 3 15	Sp. F., Sp. Sp.
Year Three	MEET 3940 MEET 3990 MFET 3110 University Core Total Hours MEET 4050 MEET	1710/1730 Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430 Machining Principles and Processes Pre-req: MATH 1650 University Core — Creative Arts Mechanical Design Pre-req: MEET 3650 Heat Transfer Applications	3 3 16	Su. F., Sp., Su. F., Sp. F., Sp., Su.	MEET 3650 MFET 4190 MFET 4210 MEET 3550 Total Hours MEET 4790 MEET	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance Pre-req: MATH 1720 CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and MATH/PHYS/CHEM requirements Geometric Dimens. and Tolerancing Pre-reqs: MFET 3110, ENGR 1304 Senior Design II Pre-req: MEET 4780 Experimental Thermal Sciences	3 3 3	Sp. F., Sp.
Year Three	MEET 3940 MEET 3990 MFET 3110 University Core Total Hours MEET 4050 MEET 4350	1710/1730 Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430 Machining Principles and Processes Pre-req: MATH 1650 University Core — Creative Arts Mechanical Design Pre-req: MEET 3650 Heat Transfer Applications Pre-req: MEET 3940, 3990	3 3 16 3	Su. F., Sp., Su. F., Sp., Su. F., F., Sp., Su. F.	MEET 3650 MFET 4190 MFET 4210 MEET 3550 Total Hours MEET 4790 MEET 4360	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance Pre-req: MATH 1720 CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and MATH/PHYS/CHEM requirements Geometric Dimens. and Tolerancing Pre-reqs: MFET 3110, ENGR 1304 Senior Design II Pre-req: MEET 4780 Experimental Thermal Sciences Pre-req: MEET 3940, 3990, 4350	3 3 3 15	Sp. Sp. Sp. Sp.
Year Three	MEET 3940 MEET 3990 MFET 3110 University Core Total Hours MEET 4050 MEET 4350 MEET	1710/1730 Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430 Machining Principles and Processes Pre-req: MATH 1650 University Core — Creative Arts Mechanical Design Pre-req: MEET 3650 Heat Transfer Applications Pre-req: MEET 3940, 3990 Senior Design I	3 3 16 3	Su. F., Sp., Su. F., Sp. F., Sp., Su. F.	MEET 3650 MFET 4190 MFET 4210 MEET 3550 Total Hours MEET 4790 MEET 4360 Advanced	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance Pre-req: MATH 1720 CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and MATH/PHYS/CHEM requirements Geometric Dimens. and Tolerancing Pre-reqs: MFET 3110, ENGR 1304 Senior Design II Pre-req: MEET 4780 Experimental Thermal Sciences Pre-req: MEET 3940, 3990, 4350 Options at mydegreeaudit.unt.edu	3 3 3 15	Sp. F., Sp. Sp.
	MEET 3940 MEET 3990 MFET 3110 University Core Total Hours MEET 4050 MEET 4350	1710/1730 Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430 Machining Principles and Processes Pre-req: MATH 1650 University Core — Creative Arts Mechanical Design Pre-req: MEET 3650 Heat Transfer Applications Pre-req: MEET 3940, 3990 Senior Design I Pre-reqs: ENGR 3450 and MEET 3980	3 3 16 3	Su. F., Sp., Su. F., Sp., Su. F., F., Sp., Su. F.	MEET 3650 MFET 4190 MFET 4210 MEET 3550 Total Hours MEET 4790 MEET 4360	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance Pre-req: MATH 1720 CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and MATH/PHYS/CHEM requirements Geometric Dimens. and Tolerancing Pre-reqs: MFET 3110, ENGR 1304 Senior Design II Pre-req: MEET 4780 Experimental Thermal Sciences Pre-req: MEET 3940, 3990, 4350	3 3 3 15	Sp. Sp. Sp. Sp.
	MEET 3940 MEET 3990 MFET 3110 University Core Total Hours MEET 4050 MEET 4350 MEET 4780	1710/1730 Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430 Machining Principles and Processes Pre-req: MATH 1650 University Core — Creative Arts Mechanical Design Pre-req: MEET 3650 Heat Transfer Applications Pre-req: MEET 3940, 3990 Senior Design I	3 3 3 16 3 1	Su. F., Sp., Su. F., Sp., Su. F., F., F.	MEET 3650 MFET 4190 MFET 4210 MEET 3550 Total Hours MEET 4790 MEET 4360 Advanced Elective	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance Pre-req: MATH 1720 CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and MATH/PHYS/CHEM requirements Geometric Dimens. and Tolerancing Pre-reqs: MFET 3110, ENGR 1304 Senior Design II Pre-req: MEET 4780 Experimental Thermal Sciences Pre-req: MEET 3940, 3990, 4350 Options at mydegreeaudit.unt.edu Must complete pre-reqs	3 3 3 15 3 3	Sp. F., Sp. Sp. Sp. Varies
	MEET 3940 MEET 3990 MFET 3110 University Core Total Hours MEET 4050 MEET 4350 MEET 4780 MFET	1710/1730 Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430 Machining Principles and Processes Pre-req: MATH 1650 University Core — Creative Arts Mechanical Design Pre-req: MEET 3650 Heat Transfer Applications Pre-req: MEET 3940, 3990 Senior Design I Pre-reqs: ENGR 3450 and MEET 3980	3 3 16 3	Su. F., Sp., Su. F., Sp., Su. F., F., Sp., Su. F.	MEET 3650 MFET 4190 MFET 4210 MEET 3550 Total Hours MEET 4790 MEET 4360 Advanced Elective Technical	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance Pre-req: MATH 1720 CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and MATH/PHYS/CHEM requirements Geometric Dimens. and Tolerancing Pre-reqs: MFET 3110, ENGR 1304 Senior Design II Pre-req: MEET 4780 Experimental Thermal Sciences Pre-req: MEET 3940, 3990, 4350 Options at mydegreeaudit.unt.edu	3 3 3 15	Sp. Sp. Sp. Sp.
	MEET 3940 MEET 3990 MFET 3110 University Core Total Hours MEET 4050 MEET 4350 MEET 4780	I710/1730 Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430 Machining Principles and Processes Pre-req: MATH 1650 University Core — Creative Arts Mechanical Design Pre-req: MEET 3650 Heat Transfer Applications Pre-req: MEET 3940, 3990 Senior Design I Pre-reqs: ENGR 3450 and MEET 3980 Co/Pre-req: MFET 4210, MEET 4050, 4350	3 3 3 16 3 1	Su. F., Sp., Su. F., Sp., Su. F., F., F.	MEET 3650 MFET 4190 MFET 4210 MEET 3550 Total Hours MEET 4790 MEET 4360 Advanced Elective	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance Pre-req: MATH 1720 CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and MATH/PHYS/CHEM requirements Geometric Dimens. and Tolerancing Pre-reqs: MFET 3110, ENGR 1304 Senior Design II Pre-req: MEET 4780 Experimental Thermal Sciences Pre-req: MEET 3940, 3990, 4350 Options at mydegreeaudit.unt.edu Must complete pre-reqs Options at mydegreeaudit.unt.edu	3 3 3 15 3 3	Sp. F., Sp. Sp. Sp. Varies
Year Four Year Three	MEET 3940 MEET 3990 MFET 3110 University Core Total Hours MEET 4050 MEET 4350 MEET 4780 MFET 4200	Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430 Machining Principles and Processes Pre-req: MATH 1650 University Core — Creative Arts Mechanical Design Pre-req: MEET 3650 Heat Transfer Applications Pre-req: MEET 3940, 3990 Senior Design I Pre-reqs: ENGR 3450 and MEET 3980 Co/Pre-req: MFET 4210, MEET 4050, 4350 Engineering Cost Analysis Pre-req: MATH 1720	3 3 16 3 1	Su. F., Sp., Su. F., Sp., Su. F., Sp., F., F. F. F.	MEET 3650 MFET 4190 MFET 4210 MEET 3550 Total Hours MEET 4790 MEET 4360 Advanced Elective Technical Elective	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance Pre-req: MATH 1720 CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and MATH/PHYS/CHEM requirements Geometric Dimens. and Tolerancing Pre-reqs: MFET 3110, ENGR 1304 Senior Design II Pre-req: MEET 4780 Experimental Thermal Sciences Pre-req: MEET 3940, 3990, 4350 Options at mydegreeaudit.unt.edu Must complete pre-reqs Options at mydegreeaudit.unt.edu Must complete pre-reqs	3 3 3 15 3 3	Sp. F., Sp. Sp. Sp. Varies
	MEET 3940 MEET 3990 MFET 3110 University Core Total Hours MEET 4050 MEET 4350 MEET 4780 MFET 4200 Advanced	Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430 Machining Principles and Processes Pre-req: MATH 1650 University Core — Creative Arts Mechanical Design Pre-req: MEET 3650 Heat Transfer Applications Pre-req: MEET 3940, 3990 Senior Design I Pre-reqs: ENGR 3450 and MEET 3980 Co/Pre-req: MFET 4210, MEET 4050, 4350 Engineering Cost Analysis Pre-req: MATH 1720 Options at mydegreeaudit.unt.edu	3 3 3 16 3 1	Su. F., Sp., Su. F., Sp., Su. F., F., F.	MEET 3650 MFET 4190 MFET 4210 MEET 3550 Total Hours MEET 4790 MEET 4360 Advanced Elective Technical Elective University	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance Pre-req: MATH 1720 CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and MATH/PHYS/CHEM requirements Geometric Dimens. and Tolerancing Pre-reqs: MFET 3110, ENGR 1304 Senior Design II Pre-req: MEET 4780 Experimental Thermal Sciences Pre-req: MEET 3940, 3990, 4350 Options at mydegreeaudit.unt.edu Must complete pre-reqs Options at mydegreeaudit.unt.edu Must complete pre-reqs University Core — Social and	3 3 3 15 3 3	Sp. F., Sp. Sp. Sp. Varies
	MEET 3940 MEET 3990 MFET 3110 University Core Total Hours MEET 4050 MEET 4780 MFET 4780 Advanced Elective	Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430 Machining Principles and Processes Pre-req: MATH 1650 University Core — Creative Arts Mechanical Design Pre-req: MEET 3650 Heat Transfer Applications Pre-req: MEET 3940, 3990 Senior Design I Pre-reqs: ENGR 3450 and MEET 3980 Co/Pre-req: MFET 4210, MEET 4050, 4350 Engineering Cost Analysis Pre-req: MATH 1720 Options at mydegreeaudit.unt.edu Must complete pre-reqs	3 3 16 3 1 3	Su. F., Sp., Su. F., Sp., Su. F., Sp., Su. F. Varies	MEET 3650 MFET 4190 MFET 4210 MEET 3550 Total Hours MEET 4790 MEET 4360 Advanced Elective Technical Elective University Core	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance Pre-req: MATH 1720 CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and MATH/PHYS/CHEM requirements Geometric Dimens. and Tolerancing Pre-reqs: MFET 3110, ENGR 1304 Senior Design II Pre-req: MEET 4780 Experimental Thermal Sciences Pre-req: MEET 3940, 3990, 4350 Options at mydegreeaudit.unt.edu Must complete pre-reqs Options at mydegreeaudit.unt.edu Must complete pre-reqs	3 3 3 15 3 3	Sp. F., Sp. Sp. Sp. Varies Varies F., Sp.,
	MEET 3940 MEET 3990 MFET 3110 University Core Total Hours MEET 4050 MEET 4780 MFET 4780 Advanced Elective University	Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430 Machining Principles and Processes Pre-req: MATH 1650 University Core — Creative Arts Mechanical Design Pre-req: MEET 3650 Heat Transfer Applications Pre-req: MEET 3940, 3990 Senior Design I Pre-reqs: ENGR 3450 and MEET 3980 Co/Pre-req: MFET 4210, MEET 4050, 4350 Engineering Cost Analysis Pre-req: MATH 1720 Options at mydegreeaudit.unt.edu Must complete pre-reqs University Core — Language, Philosophy	3 3 16 3 1	Su. F., Sp., Su. F., Sp., Su. F., Sp., Su. F. Varies F., Sp.,	MEET 3650 MFET 4190 MFET 4210 MEET 3550 Total Hours MEET 4790 MEET 4360 Advanced Elective Technical Elective University Core Total	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance Pre-req: MATH 1720 CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and MATH/PHYS/CHEM requirements Geometric Dimens. and Tolerancing Pre-reqs: MFET 3110, ENGR 1304 Senior Design II Pre-req: MEET 4780 Experimental Thermal Sciences Pre-req: MEET 3940, 3990, 4350 Options at mydegreeaudit.unt.edu Must complete pre-reqs Options at mydegreeaudit.unt.edu Must complete pre-reqs University Core — Social and	3 3 3 15 3 3 3	Sp. F., Sp. Sp. Sp. Varies Varies F., Sp.,
	MEET 3940 MEET 3990 MFET 3110 University Core Total Hours MEET 4050 MEET 4350 MEET 4780 MFET 4200 Advanced Elective University Core	Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430 Machining Principles and Processes Pre-req: MATH 1650 University Core — Creative Arts Mechanical Design Pre-req: MEET 3650 Heat Transfer Applications Pre-req: MEET 3940, 3990 Senior Design I Pre-reqs: ENGR 3450 and MEET 3980 Co/Pre-req: MFET 4210, MEET 4050, 4350 Engineering Cost Analysis Pre-req: MATH 1720 Options at mydegreeaudit.unt.edu Must complete pre-reqs	3 3 16 3 1 3	Su. F., Sp., Su. F., Sp., Su. F., Sp., Su. F. Varies	MEET 3650 MFET 4190 MFET 4210 MEET 3550 Total Hours MEET 4790 MEET 4360 Advanced Elective Technical Elective University Core	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance Pre-req: MATH 1720 CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and MATH/PHYS/CHEM requirements Geometric Dimens. and Tolerancing Pre-reqs: MFET 3110, ENGR 1304 Senior Design II Pre-req: MEET 4780 Experimental Thermal Sciences Pre-req: MEET 3940, 3990, 4350 Options at mydegreeaudit.unt.edu Must complete pre-reqs Options at mydegreeaudit.unt.edu Must complete pre-reqs University Core — Social and	3 3 3 15 3 3	Sp. F., Sp. Sp. Sp. Varies Varies F., Sp.,
	MEET 3940 MEET 3990 MFET 3110 University Core Total Hours MEET 4050 MEET 4780 MFET 4780 Advanced Elective University	Fluid Mechanics Pre-req: ENGR 2302, MATH 1720 Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430 Machining Principles and Processes Pre-req: MATH 1650 University Core — Creative Arts Mechanical Design Pre-req: MEET 3650 Heat Transfer Applications Pre-req: MEET 3940, 3990 Senior Design I Pre-reqs: ENGR 3450 and MEET 3980 Co/Pre-req: MFET 4210, MEET 4050, 4350 Engineering Cost Analysis Pre-req: MATH 1720 Options at mydegreeaudit.unt.edu Must complete pre-reqs University Core — Language, Philosophy	3 3 16 3 1 3	Su. F., Sp., Su. F., Sp., Su. F., Sp., Su. F. Varies F., Sp.,	MEET 3650 MFET 4190 MFET 4210 MEET 3550 Total Hours MEET 4790 MEET 4360 Advanced Elective Technical Elective University Core Total	Design of Mechanical Components Pre-req: ENGR 2332 Quality Assurance Pre-req: MATH 1720 CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and MATH/PHYS/CHEM requirements Geometric Dimens. and Tolerancing Pre-reqs: MFET 3110, ENGR 1304 Senior Design II Pre-req: MEET 4780 Experimental Thermal Sciences Pre-req: MEET 3940, 3990, 4350 Options at mydegreeaudit.unt.edu Must complete pre-reqs Options at mydegreeaudit.unt.edu Must complete pre-reqs University Core — Social and	3 3 3 15 3 3 3	Sp. F., Sp. Sp. Sp. Varies Varies F., Sp.,

Courses in GREEN are taken at UNT and require a particular prerequisite order.

Advanced Placement (AP), International Baccalaureate (IB), Credit by Exam (CLEP), Texas Community College Dual Credit, Texas Community College Transfer Credit

COMMUNICATION

AP English Lang. And Comp. Score of 3 IB English A: Lang. and Lit. Score of 5 Community College: ENGL 1301

TECHNICAL WRITING

Community College ENGL 2311: TECM 2700

AMERICAN HISTORY I

AP U.S. History score of 3 CLEP History of United States I Community College: HIST 1301

AMERICAN HISTORY II

AP U.S. History score of 3 CLEP History of United States II Community College: HIST 1302

FEDERAL GOVT/POLI SCIENCE

AP U.S. Government score of 3 CLEP American Government Community College: GOVT 2305

STATE GOVT/POLI SCIENCE

Community College: GOVT 2306

CREATIVE ARTS

AP Art History score of 3 IB Dance score of 4*

Community College: ARTS 1301 Community College: ARTS 1304 Community College: MUSI 1306 Community College: DRAM 1310

LANGUAGE, PHILOSOPHY, AND CULTURE

AP English Literature and Comp. score of 3

AP World History score of 3 IB History score of 4* IB Philosophy score of 5

IB English Language A: Lit. Score of 5 Community College: ENGL 2332 Community College: ENGL 2333 Community College: ENGL 2341 Community College: HIST 2321 Community College: HIST 2322 Community College: PHIL 1301 Community College: PHIL 1304 Community College: PHIL 2303 Community College: PHIL 2306

SOCIAL AND BEHAVIORAL SCIENCES

AP Macroeconomics score of 3
AP Microeconomics score of 3
AP Psychology score of 3
IB Economics score of 4*
IB Geography score of 4*
IB Psychology score of 4*
CLEP Macroeconomics

CLEP Human Growth and Development

CLEP Introductory Psychology CLEP Introductory Sociology

CLEP Microeconomics

SOCIAL AND BEHAVIORAL SCIENCES (Continued)

Community College: ANTH 2346
Community College: ANTH 2351
Community College: SPCH 1318
Community College: ECON 2301
Community College: ECON 2302
Community College: GEOG 1303
Community College: TECA 1354
Community College: COMM 1307
Community College: PSYC 2301
Community College: PSYC 2302
Community College: SOCI 1301

CHEMISTRY

AP Chemistry score of 4: CHEM 1410, 1430

AP Chemistry score of 5: CHEM 1410, 1430, and 1420, 1440

IB Chemistry: CHEM 1410, 1430, and 1420, 1440 CLEP General Chemistry: CHEM 1410, 1420 Community College CHEM 1111: CHEM 1430 Community College CHEM 1311: CHEM 1410 Community College CHEM 1411: CHEM 1410, 1430

PHYSICS

AP Physics C (Mechanics) score of 4: PHYS 1710, 1730

AP PHYS Physics C (Electricity and Magnetism) score of 4: PHYS 2220, 2240

Community College PHYS 2125: PHYS 1730
Community College PHYS 2126: PHYS 2240
Community College PHYS 2325: PHYS 1710
Community College PHYS 2326: PHYS 2220
Community College PHYS 2425: PHYS 1710, 1730
Community College PHYS 2426: PHYS 2220, 2240

MATHEMATICS

AP Calculus AB score of 3: MATH 1710
AP Calculus BC score of 3: MATH 1710, 1720

AP Calculus AB sub score of BC Exam score 3: MATH 1710

IB Mathematics – Calculus: MATH 1710 CLEP College Algebra: MATH 1100 CLEP Pre-calculus: MATH 1650 CLEP Calculus: MATH 1710

Community College MATH 1314: MATH 1100
Community College MATH 1414: MATH 1100
Community College MATH 2312: MATH 1650
Community College MATH 2412: MATH 1650
Community College MATH 2313: MATH 1710
Community College MATH 2314: MATH 1720
Community College MATH 2413: MATH 1710
Community College MATH 2414: MATH 1720

ENGINEERING

Community College ENGR 1204: ENGR 1304
Community College ENGR 1304: ENGR 1304
Community College ENGR 2105: EENG 2611
Community College ENGR 2301: ENGR 2301
Community College ENGR 2302: ENGR 2302
Community College ENGR 2332: ENGR 2332
Community College ENGR 2305: EENG 2610
Community College ENGR 2405: EENG 2610, 2611

COMPUTING/PROGRAMMING

AP Computer Science A score of 4: CSCE 1030

IB Computer Science: CSCE 1030

Community College COSC 1336: CSCE 1030 Community College COSC 1436: CSCE 1030