

You must take at least six hours of Technical Electives to fulfill your degree requirements.

Three hours must be related to the Technical Area (Space or Atmospheric).
All six hours must be upper-division.

*The list below is intended to give you a **SAMPLE** of what is available, but you are encouraged to look for other upper-division classes of interest in the sciences and engineering. If your course is not on this list, you are advised to check with the Undergraduate Faculty Advisor prior to enrollment.*

ARE 323K	Project Mngmt and Economics	ME 337C	Intro to Nuclear Power System
ARE 346N	Building Environmental Systems	ME 337D	Radiation/Radiation Protection
		ME 338	Machine Elements
ASE 128	Student Project Laboratory	ME 349	Corrosion Engineering
ASE 225M	Coop Engr (A + B + 1 lab hour)	ME 350	Machine Tool Op for Engineers
ASE 325L	Coop Engr (X + Y + Z)	ME 353	Engineering Economic Analysis
ASE 339	Advanced Strength of Materials	ME 354	Intro to Biomech Engineering
ASE 347	Intro to Comptl Fluid Dynamics	ME 354M	Biomechs of Human Movement
ASE 346	Viscous Fluid Flow	ME 355K	Engineering Vibrations
ASE 355	Aeroelasticity		
ASE 357	Mechncs of Composite Materials	M 340L	Matrices and Matrix Calculations
ASE 364	Applied Aerodynamics	M 348	Sci Computing in Num Analysis
ASE 366L	Applied Orbital Mechanics	M 358K	Applied Statistics
ASE 272N	Satellite Navigation	M 360M	Mathematics as Problem Solving
ASE 172G	Satellite Navigation Laboratory	M 361	Thry of Fncts of Cmplx Variables
ASE 379K	Research in ASE	M 362K	Probability I
		M 364K	Vector and Tensor Analysis I
AST 353	Astrophysics	M 368K	Num Mthds for Applications
AST 358	Galaxies and the Universe	M 374	Fourier & Laplace Transforms
AST 351	Astronomical Instrumentation		
		MAN 320F	Foundations of Management
CE 341	Intro to Envirn Engineering	MKT 320F	Foundations of Marketing
ME 335	Prob/Statistics for Engineers	PHY 355	Modern Physics for Engineers
ME 336	Materials Processing		

If you decide to pursue the “Elements of Computing” or “Business Foundations” program, you will be allowed to use upper-division courses from these programs toward both of your technical electives. If you would like more information on these programs, please visit the Undergraduate Office in WRW 215B.