

M E Tech Electives by Subject Area

Please note that this is not an all-inclusive list of Tech Electives.

For a list of all approved Tech Electives, go to <https://www.me.iastate.edu/degree-planning/>.

General Industry Preparation	M E 412, M E 425, M E 475, M E 484, I E 305, CON E 380, TSM 310, TSM 370
Agriculture	M E 413, A B E 316, A B E 342, AGEDS 388, FS HN 351, TSM 335, TSM 443
Biomedical	B M E 220, B M E 341, B M E/E E 450, B M E/MAT E 456, KIN 355, I E 447, I E 571 B M E Minor professional electives: https://www.engineering.iastate.edu/bioengineering/professional-electives/
CAD/Design	M E 416, M E 417, M E 419, M E 425, M E 475, ARCH 335, I E 445, IND D 320, IND D 330, IND D 350, IND D 435
Construction	C E 332, C E 333, C E 334, CON E 352, CON E 353
Consulting	M E 412, CON E 380, I E 305, I E 405, TSM 371
Controls	M E 411, M E 413, M E 511
Data and Computer Science	M E 280X, CPR E 287X, D S 301, D S 303, D S 401, Any 300-level or higher COM S course Any 300-level or higher CPR E course (except 370, 394, 466) Cyber-Physical Systems minor electives (300-level or higher): https://www.engineering.iastate.edu/engineering-minors/cps-minor/
Energy	M E 413, M E 433, M E 437, M E 444, M E 448, M E 449, ECON/ENV S 380, ENV S 324, E E 314, E E 351, A B E/TSM 325, BRT 501 Energy systems minor electives: http://catalog.iastate.edu/collegeofengineering/energy-systems-minor/ Wind energy minor electives: http://catalog.iastate.edu/interdisciplinaryprograms/minor/windenergy/
Engineering Business, Marketing, and Sales	M E 412, FIN 301, I E 305, I E 405, I E 450, I E 451, MGMT 370, MKT 340, MKT 450, MIS 301, SCM 301
Environmental	M E 433, M E 444, A B E/TSM 325, A B E/C E/E E 388, BRT 501, C E 326, ENV S 324,
Entrepreneurship and Product Development	MGMT/ENTSP 310 (credit only if ENTSP 313 or MGMT/ENTSP 320 also taken), ENTSP 313, MGMT/ENTSP 320, I E/ENGR 430, I E/ENGR 434X

Additional pre-reqs needed beyond standard M E curriculum

contact the course department regarding pre-req policies

Experimental courses

Courses with restrictions excluding M E students

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Evaluation and Optimization	C E 449, E M 327, E M/MAT E 362(L), E M/AER E 417, E M 425, E M/AER E 480, I E 312, I E 413, I E 483, I E 487 , TSM 310 Nondestructive evaluation engineering minor electives: http://catalog.iastate.edu/collegeofengineering/non_destructiveevaluationengineering/
Government	M E 412, M E 484, CON E 380
Heating, Ventilation, Cooling, and Refrigeration	M E 437, M E 441, M E 442, CON E 352, CON E 354
Heavy Equipment, Machinery	M E 413, M E 448, M E 449, A B E 342, AGEDS 388, TSM 335
Law	M E 412, CON E 380
Manufacturing	M E 418, M E 521, M E 528, E M/MAT E 362(L), I E 341, I E 348, I E 361 , I E 445, I E 448, I E 544
Mechatronics and Robotics	M E 411, M E 418, M E 456, M E 511, TSM 465
Transportation	M E 417, M E 427, M E 449, A B E 342, C E 355 , E M/MAT E 362(L), E M/AER E 417, E M/AER E 480, TSM 335
US Diversity	ECON 321, MGMT 472
International Perspective	M E 484, A B E/C E/E E 388, AFAS 442, ARCH 322, ECON 320, ECON 355, ECON/GLOBE 385, E E 351, ENV S 342, ENV S 345, ENV S 384, MGMT 367

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