

ME 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	ME 4120, ME 4250, ME 4750, ME 4840, IE 3050, CONE 3800, TSM 3100, TSM 3700
Agriculture	ME 4130, ABE 3160, ABE 3420, AGEDS 3880, FS HN 3510, TSM 3350, TSM 4430
Biomedical	BME 2200, BME 3410, BME/EE 4500, BME/MATE 4560, KIN 3550, IE 4470, IE 5710 BMEMinor professional electives: https://www.engineering.iastate.edu/bioengineering/professional-electives/
CAD/Design	ME 4160, ME 4170, ME 4190, ME 4250, ME 4750, ARCH 3350, IE 4450, INDD 3200, INDD 3300, INDD 3500, INDD 4350, INDD 5300
Construction	CE 3320, CE 3330, CE 3340, CONE 3520, CONE 3530
Consulting	ME 4120, CONE 3800, IE 3050, IE 4050, TSM 3710
Controls	ME 4110, ME 4130, ME 5110
Data and Computer Science	ME 2800X, CPR E 2870X, Aer E 3YY??, D S 3010, D S 3030, D S 4010, Any 3000-level or higher COM S course Any 3000-level or higher CPR E course (except 3700, 3940, 4660) Cyber-Physical Systems minor electives (3000-level or higher): https://www.engineering.iastate.edu/engineering-minors/cps-minor/
Energy	ME 4130, ME 4330, ME 4370, ME 4440, ME 4480, ME 4490, ECON/ENVS 3800, ENVS 3240, EE 3140, EE 3510, ABE/TSM 3250, BRT 5010 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	ME 4120, FIN 3010, IE 3050, IE 4050, IE 4500, IE 4510, MGMT 3700, MKT 3400, MKT 4500, MIS 3010, SCM 3010
Environmental	ME 4330, ME 4440, ABE/TSM 3250, ABE/CE/EE 3880, BRT 5010, CE 3260, ENVS 3240,
Entrepreneurship and Product Development	MGMT/ENTSP 3100 (credit only if ENTSP 3130 or MGMT/ENTSP 3200 also taken), ENTSP 3130, MGMT/ENTSP 3200, IE/ENGR 4300, IE/ENGR 4340X

Additional pre-reqs needed beyond standard ME curriculum
contact the course department regarding pre-req policies

Experimental courses

Courses with restrictions excluding ME students

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Evaluation and Optimization	CE 4490, EM 3270, EM/MATE 3620(L), EM/AER E 4170, EM 4250, EM/AER E 4800, IE 3120, IE 4130, IE 4830, IE 4870, TSM 3100 Nondestructive evaluation engineering minor electives: http://catalog.iastate.edu/collegeofengineering/non_destructiveevaluationengineering/
Government	ME 4120, ME 4840, CONE 3800
Heating, Ventilation, Cooling, and Refrigeration	ME 4370, ME 4410, ME 4420, CONE 3520, CONE 3540
Heavy Equipment, Machinery	ME 4130, ME 4480, ME 4490, ABE 3420, AGEDS 3880, TSM 3350
Law	ME 4120, CONE 3800
Manufacturing	ME 4180, ME 5210, ME 5280, EM/MATE 3620(L), IE 3410, IE 3480, IE 3610, IE 4450, IE 4480, IE 5440
Mechatronics and Robotics	ME 4110, ME 4180, ME 4560, ME 5110, TSM 4650
Transportation	ME 4170, ME 4270, ME 4490, ABE 3420, CE 3550, EM/MATE 3620(L), EM/AER E 4170, EM/AER E 4800, TSM 3350
US Diversity	ECON 3210, MGMT 4720
International Perspective	ME 4840, ABE/CE/EE 3880, AFAS 4420, ARCH 3220, ECON 3200, ECON 3550, ECON/GLOBE 3850, EE 3510, ENVS 3420, ENVS 3450, ENVS 3840, MGMT 3670

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