



ENVIRONMENTAL ENGINEERING ELECTIVES

All courses in red have been approved as electives but need to be added to the next academic year's Student Academic Advisement Report.

Any courses that are crossed through have been requested to be removed by the department offering the courses.

**Updated on 09/27/22*

How to choose an elective:

Our elective list can be found here: <https://chee.engineering.arizona.edu/undergrad-programs/degrees>. The technical elective is extensive which makes it difficult to determine what to take. Think of your electives as your way to have ownership over your degree. You can use it to specialize in a specific area. You can use them to be able to double dip for a minor. Ideally these courses cover subject matter that you are interested in. There are several ways to choose electives.

1. Use your engineering and technical electives to help you specialize in a subject or to fulfill a minor. Use your electives to help you diversify your degree.
 2. Ask your classmates or preceptors what they enjoyed. This is a place to start but remember just because your friend thought it was an easy class doesn't mean you will enjoy it.
 3. Pick things that you are just interested in, not necessarily for a specific reason just to learn more!
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1. Go to the catalog. <https://catalog.arizona.edu/>
 2. Choose **courses** drop down (top left).
 3. Choose **course descriptions**.
 4. At the top of the page, **choose the first letter** for the subject you are interested in.
 5. You will be able to see all the courses offered in that department.
 6. Choose **a course**. Read the description, see when it is normally offered and what the requisites are.
 7. Go back to the catalog (or your shopping cart in UAccess). Choose **Class Schedule** and follow the prompts to find out if it fits in your schedule and is offered this semester.

The above process is very helpful in picking something that you think would be interesting.

TECHNICAL ELECTIVES

AME (Aerospace and Mechanical Engineering) Courses:

AME 301, AME 302, AME 313, AME 324A, AME 324B, AME 442A, AME 445, AME 446, AME 480

AREC (Agri & Resource Economics) Courses:

AREC 313, AREC 476, AREC 479

ATMO (Atmospheric Sciences) Courses:

ATMO 421, ATMO 436A, ATMO 441A; ATMO 441B, ATMO 451A, ATMO 451B, ATMO 455, ATMO 469A, ATMO 490

BE (Biosystems Engineering) Courses:

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BE 284, BE 385, BE 423, BE 426, **BE 444**, BE 452, BE 455, BE 456, BE 458, **BE 459**, BE 475A, BE 479, BE 481A, BE 482, BE 483, BE 485, BE 486, **BE 487**

BME (Biomedical Engineering) Courses:

BME 416, BME 461, BME 486, BME 466

~~BNAD (Business Administration) Courses:~~

~~BNAD 301, BNAD 302, BNAD 303~~

CE (Civil Engineering) Courses:

CE 323, CE 363, CE 381, CE 422, CE 423, CE 426, CE 427, CE 445, CE 455

CHEE (Chemical & Environmental Engineering) Courses:

CHEE 303, CHEE 305, CHEE 326, CHEE 402, CHEE 412; CHEE 413, CHEE 420, CHEE 437, CHEE 481A, CHEE 482, CHEE 483, CHEE 487, CHEE 489

CHEM (Chemistry) Courses:

CHEM 325, CHEM 326, CHEM 380, CHEM 405, CHEM 437, CHEM 450

CSC (Computer Science) Courses:

CSC 460

DATA (Statistics and Data Science) Courses:

DATA 367, DATA 375, DATA 396T, DATA 462, DATA 467, DATA 496T

ECE (Electrical & Computer Engineering) Courses:

ECE 320A, ECE 351C, ECE 414, ECE 414A, ECE 446, **ECE 479**

ECOL (Ecology and Evolutionary Biology) Courses:

ECOL 302, ECOL 326, ECOL 329A, ECOL 335, ECOL 340, ECOL 346, ECOL 360, ECOL 410

~~EN (Economics) Courses:~~

~~ECON 300, ECON 313, ECON 330, ECON 331, ECON 435~~

EHS (Environmental Health Sciences) Courses:

EHS 418, EHS 420, EHS 422, EHS 425, EHS 426, EHS 439A, EHS 484, EHS 489, EHS 493A

ENGR (Engineering) Courses:

ENGR 422, ENGR 435, ENGR 452, ENGR 495

ENVS (Environmental Science) Courses

ENVS 300, ENVS 305, ENVS 330, ENVS 340, ENVS 401, ENVS 410/510, ENVS 428R/528R, ENVS 431, ENVS 462, ENVS 464/564, ENVS 470, ENVS 480

~~FIN (Finance) Courses:~~

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~~FIN 303, FIN 311, FIN 313~~

GEOG (Geography & Development) Courses:

GEOG 302, GEOG 304, GEOG 338, GEOG 368, GEOG 374, GEOG 379, GEOG 461

GEOS (Geosciences) Courses:

GEOS 400, GEOS 410, GEOS 412A, GEOS 419

HPS (Health Promotion Science) Courses:

HPS 401, HPS 409

HWRS (Hydrology and Water Resources) Courses:

HWRS 340, HWRS 350, HWRS 404, HWRS 405, HWRS 413A, HWRS 413B, HWRS 418/518, HWRS 419/519, HWRS 421, HWRS 428, HWRS 431, HWRS 443A, HWRS 449, HWRS 480, HWRS 481, HWRS 482

ITS Courses:

ITS 350, ITS 370, ITS 371, ITS 401

ISTA (Information Science) Courses:

ISTA 303, ISTA 311, ISTA 320, ISTA 321, ISTA 322, ISTA 330, ISTA 331, ISTA 350, ISTA 355, ISTA 397S, ISTA 403, ISTA 410, ISTA 416, ISTA 421, ISTA 429, ISTA 431, ISTA 439, ISTA 450, ISTA 454, ISTA 455, ISTA 456, ISTA 457

MATH (Math) Courses:

MATH 302A, MATH 302B, MATH 310, MATH 313, MATH 315, MATH 322, MATH 323, MATH 330, MATH 355, MATH 361, MATH 362, MATH 396T, MATH 401A, MATH 401B, MATH 402, MATH 404, MATH 406A, MATH 406B, MATH 407, MATH 413, MATH 415A, MATH 415B, MATH 422, MATH 424, MATH 425A, MATH 425B, MATH 432, MATH 443, MATH 445, MATH 446, MATH 447, MATH 454, MATH 456, MATH 462, MATH 464, MATH 466, MATH 468, MATH 475A, MATH 475B, MATH 485, MATH 488, MATH 496T

MIC (Microbiology) Courses:

MIC 328R, MIC 350, MIC 425

MNE (Mining Engineering) Courses:

MNE 411, MNE 417

MSE (Materials Science & Engineering) Courses:

MSE 345, MSE 412, MSE 415, MSE 331R, MSE 435, MSE 437, MSE 446, MSE 450, MSE 460, MSE 461

PHCL (Pharmacology) Courses:

PHCL 422

PHP (Public Health Practice) Courses:

PHP 421

PHYS (Physics) Courses:

PHYS 371, PHYS 450



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POL (Political Science Main) Courses:

POL 481

PR (Public Relations) Courses:

PR 313, PR 317

RNR (Renewable Natural Resources) Courses:

RNR 316, RNR 351, RNR 403, RNR 416C, RNR 416E, RNR 417, RNR 420, RNR 427, RNR 440, RNR 458, RNR 472, RNR 495F

SBE (Sustainable Built Environments) Courses:

SBE 450

SGPP (Government & Public Policy) Courses:

SGPP 301, SGPP 303, SGPP 320, SGPP 335

SCI (Science) Courses:

SCI 396A

SIE (Systems & Industrial Engineering) Courses:

SIE 321, SIE 340, SIE 377, SIE 406, SIE 408, SIE 410A, SIE 414, SIE 415, SIE 422, SIE 432, SIE 440, SIE 454A, SIE 457, SIE 463, SIE 464

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ATMO 469A

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ECE 351C, ECE 414A, ECE 446

ENGR (Engineering) Courses:

ENGR 422, ENGR 452

MNE (Mining Engineering) Courses:

MNE 411, MNE 417

MSE (Materials Science & Engineering) Courses:

MSE 331R, MSE 345, MSE 437, MSE 450, MSE 460

SIE (Systems & Industrial Engineering) Courses

SIE 406, SIE 410A, SIE 457

EARTH SCIENCE ELECTIVES

CE (Civil Engineering) Courses:

CE 343

ENVS (Environmental Science) Courses

ENVS 200, ENVS 270, ENVS 470

HWRS (Hydrology and Water Resources) Courses:

HWRS 405