

## Mechanical Engineering Technical, Professional<sup>3</sup>, and MechSE\* Electives

Subject	Approved Electives
AE	352,402,403,410,412*,416,419,420*,428*,433,434,442,443,451,452*,454,456,460,461,482*,483,497 <sup>1</sup> ,498 <sup>2</sup>
ABE	361,430 <sup>3</sup> ,436,445,452 <sup>3</sup> ,455,456,459,466,469,476,483,488,497 <sup>1</sup> ,498 <sup>2</sup>
BIOC	406,446,455
BIOE	380,414,415,416,461*,476,479,481*,482*,497 <sup>1</sup> ,498 <sup>2</sup>
BIOP	401,419,432
CHBE	422,424,451,452,453,456,471,472,473,474,475,476
CHEM	232,233,236,237,312,315,317,332,420,436,437,440,442,444,445,447,460,472,474,480,482,483,488,497 <sup>1</sup>
CEE	310,330,340,350,360,380,401,405,406,407,408,409,410,411,412,415,416,417 <sup>3</sup> ,418,420,421,422,434,437,438,440,442,443,444,447,449,450,451,452,453,457,458,460,461,462,463,465,467,468,469,470,471,472,483,484,491,497 <sup>1</sup> ,498 <sup>2</sup>
CS	225,233,242,341,357,374,410,411,412,413,414,418,419,420,421,422,423,424,425,426,427,428,429,431,433,436,438,439,440,445,446,447,450,457,460,461,463,465,466,467,468 <sup>3</sup> ,473,475,476,477,481,483,484,498 <sup>2</sup>
CSE	401,402,412*,441,450*,451*,461
ECE	329,330,333,340,342,343,380,385,395,401,402,403,408,411,412,414,415,416,417,418,419,420,422,424,425,428,431,432,435,437,438,439,441,444,447,448,451,452,453,454,455,456,457,458,459,460,462,463,464,465,466,467,468,469,470*,472,473*,476,478,480,481,482,483,484,485*,486,487,488,489*,490,491,492,493,495,498 <sup>2</sup>
ECON	302 <sup>3</sup>
ENG	491 <sup>3</sup>
IE	310,311,330,340,360,410,411,412,413,420,430,431,445 <sup>3</sup> ,497 <sup>1</sup> ,498 <sup>2</sup>
MATH	347,357,403,412,413,414,417,418,423,424,425,427,428 <sup>2</sup> ,432,442,444,446,447,448,450,453,464,473,475,481,482,484,487,489,490 <sup>2</sup> ,492 <sup>1</sup>
MCB	401,402,450,493 <sup>2</sup>
ME*	All 400-level classes, except 470. Note: 497 <sup>1</sup> ,498 <sup>2</sup>
MSE	304,307,308,401,402,403,405,406,420,421,422,440,441,443,450,453,455,456*,457,458,460,461,466,470,473,474,480,481,485,487,488,489,497 <sup>1</sup> ,498 <sup>2</sup>
NPRE	402,412,421,423,429,435,441,442,448,451,455,457,461,470,475,498 <sup>2</sup>
PHYS	330,401,402,403,404,406,427,435,436,460,466,470,475,485,486,487,496 <sup>3</sup> ,497 <sup>1</sup> ,498 <sup>2</sup>
SE	400, 402,411,412,413,420,422*,423,424,450 <sup>3</sup> ,497 <sup>1</sup> ,498 <sup>2</sup>
STAT	410,420,424,425,426,428,429,430 <sup>2</sup> ,440,443 <sup>3</sup> ,448,458,480
TAM*	All 400-level classes. Note: 497 <sup>1</sup> ,498 <sup>2</sup>
TMGT	460,461
TE	461 <sup>3</sup>

\*Only ME & TAM courses (and their cross-lists) from this list satisfy the MechSE Elective requirement, note that credits in excess of the 6 hour requirement can fulfill Technical Elective requirements.

\*\* A maximum of 6 hours total of ME 199, ENG 491<sup>3</sup>, and independent study courses<sup>1</sup> can be applied to MechSE/ Technical/ Professional Electives subject to the restrictions outlined below.

1. No more than 3 hours of independent study courses may be used to satisfy MechSE or Technical Elective requirements. Additional hours may be used as Free Electives. Technical Elective credit for independent study courses from other departments can be petitioned by submitting a Curricular Modification request with a formal description of the work to be performed at <https://my.mechse.illinois.edu/ugpetitions>. A final report must be submitted to the faculty advisor and the Undergraduate Programs Office (1056 Lu MEB) upon course completion.
2. Special Topics courses can be petitioned for Technical Elective credit by submitting a Curricular Modification request with a full course syllabus with schedule of topics at <https://my.mechse.illinois.edu/ugpetitions>. This should be done *before* registration to ensure fulfillment of degree requirements.
3. This course falls under the Professional Elective category. No more than 3 hours of Professional Elective credit may be used to satisfy the Technical Elective requirements. *Note that ENG 491<sup>3</sup> is subject to additional restrictions outlined above\*\*.*