MECHANICAL ENGINEERING TECHNICAL ELECTIVE REQUIREMENTS

Students of Catalog Years 2016 & 2017:

Four technical elective courses (12 credit hours minimum) are required for the Mechanical Engineering Curriculum.

- ➢ <u>One</u> Mechanical Engineering Elective – satisfied only with the ME courses listed below.
- ➢ <u>One</u> Engineering Elective – satisfied only with the Watson courses listed below, including ME courses.
- ➢ <u>Two</u> Technical Electives – satisfied with any of the courses listed below, including ME courses.

Students of Catalog Years 2018 and after:

Four technical elective courses (12 credit hours minimum) are required for the Mechanical Engineering Curriculum.

- ➢ <u>Two</u> Mechanical Engineering Electives – satisfied only with the ME courses listed below.
- ➢ <u>Two</u> Technical Electives – satisfied with any of the courses listed below, including ME courses.

Notes:
  *(1) **It is recommended that all of your technical electives be ME courses**.*
  (2) Internship (ME 496) or Independent Study (ME 497) courses cannot be used as Technical, Mechanical Engineering, or Engineering Electives.

APPROVED MECHANICAL ENGINEERING TECHNICAL ELECTIVES:

Watson

ME   **300 – 488 (non-required courses only), 489 (with research advisor approval only), 491 (Only for students in Catalog Years 2018 and before); 500 – 590 (with instructor and faculty advisor approval)**

MSE   500-590 (with instructor and faculty advisor approval)

WTSN 582-583 (with instructor and faculty advisor approval)

EDD   305, 306

BME   313, 340, 402, 413, 420, 424, 433, 442, 443, 453, 463, 472, 473, 483, 484

CS   211, 212, 220, 310, 311, 350, 373, 375, 400 – 476

EECE 251, 287, 301, 315, 323, 332, 351, 359, 387, 416, 418, 419, 421, 423, 431, 432, 433, 438, 451, 452, 453, 455, 457, 458, 462, 474, 477

ISE   211, 231, 261, 311, 312, 314, 320, 362, 363, 411, 415, 416, 419, 420, 421, 422, 423, 437, 439, 440, 448, 465, 469, 470, 473, 483, 485

Harpur

BIOL 251, 304, 311, 313, 314, 318, 319, 324, 332, 340, 347, 351, 352, 355, 366, 370, 371, 373, 375, 376, 377, 379, 401, 402, 403, 405, 407, 421, 428, 430, 437, 442, 455, 456, 459, 461, 468, 470, 472, 474, 475, 476, 477

CHEM 221, 231, 332, 341, 351, 361, 411, 421, 422, 431, 432, 434, 442, 443, 444, 445, 451, 454, 455

GEOG 222, 260, 360, 423, 461, 463, 465

GEOL 303, 304, 342, 344, 414, 416, 423, 450, 453, 460, 465, 470

ECON 366, 461

MATH 314, 327, 330, 356, 372, 375, 381, 386, 401, 402, 404, 407, 447, 448, 455, 457, 458, 459, 461, 463, 465, 478, 479, 489

PHYS 323, 331, 332, 341, 411, 421, 422, 463, 468, 472