



Solid line are prerequisites, and dashed lines are co-requisites.

\*Grade of C or better is required.

Double line indicate permission of instructor required.

Curved corners (MATH 220) may accept as prerequisites MATH 112 and either MATH 100 or MATH 101.

<sup>1</sup>Transfer students with  $\geq 60$  hours can substitute COMM 203, 207 or 378; specific sections are reserved for transfer students.

<sup>2</sup>Art appreciation may be chosen from MUGN 290, THTR 290, KINE 280, or ART 290.

<sup>3</sup>The social science electives may be selected from Anthropology, Criminal Justice, Economics, Geography, International Studies, Interdisciplinary, Political Science, Psychology, and Sociology.

<sup>4</sup>Humanities elective be chosen from ENGL 210, ENGL 211, ENGL 212, COMM 378 or any HIST.

<sup>5</sup>Directed Electives chosen by student in consultation with faculty advisor and approved by the Instrumentation & Control Systems Engineering Technology Chair. Approved Directed Electives generally include:

- COES courses to provide background and skills in industry-relevant technical topics
- entrepreneurship courses
- business courses (limited to 3 credit hours)

Courses ranging from 1 to 3 credit hours each may taken. Some choices include:

- Construction Engineering Technology: CVEN435 (fall, spring), CVEN 438 (fall)
- Entrepreneurship: ENTR 430 (spring), ENGR 460 (winter)
- Industrial Engineering: INEN408 (fall), INEN409 (winter), INEN413 (spring)

**Anticipated 2019-2020 electives:**

- Applications of Siemens PLCs (winter, Pal)
- ICET 490 – Industrial Control Applications (spring, Gill)