Electrical Engineering Technology

typical four-year plan for “calculus-ready” first-year student

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**Total Credits**

16 cr. 17 cr.

† check for potential Fall Interim offering

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Semester 3 – Fall 2018, 2020, 2022

| Semester 4 – Spring 2019, 2021, 2023 |
|-----------------------------------|-----------------------------------|
| QUEST III (XS) (SS)               | CONNECT: ENGL300                  |
| 3 cr.                            | 3 cr.                            |
| ENGR 105 Fundamentals of Drawing | ENGR 320 Motors & Drives (NS)     |
| 3 cr.                            | 4 cr.                            |
| PHYS 109 General Physics I (XL) (NS) | COMPSCI 142 Intro to Programming |
| 5 cr.                            | 5 cr.                            |
| MATH 171 Calculus I (XM)         | MATH 172 Calculus II (NS)        |
| 4 cr.                            | 4 cr.                            |

Total Credits: 15 cr.

Semester 5 – Fall 2017, 2019, 2021

| Semester 6 – Spring 2018, 2020, 2022 |
|-----------------------------------|-----------------------------------|
| (XC) (HU) Literature              | (XC) (SS)                         |
| 3 cr.                            | 3 cr.                            |
| ENGR 240 Microcontrollers & PLCs  | ENGR 350 Data Comm Protocols     |
| 3 cr.                            | 3 cr.                            |
| ENGR 325 Signals & Systems       | ENGR 360 Project Management      |
| 3 cr.                            | 3 cr.                            |
| ENGR 342 Measure, Control & Data Acq | Elective                      |
| 3 cr.                            | 3 cr.                            |
| ENGR 352 Communication Systems   | Elective                         |
| 3 cr.                            | 3 cr.                            |

Total Credits: 15 cr.

Semester 7 – Fall 2018, 2020, 2022

| Semester 8 – Spring 2019, 2021, 2023 |
|-----------------------------------|-----------------------------------|
| (XS) (HU)                         | ENGR 346 Electric Power Systems  |
| 3 cr.                            | 3 cr.                            |
| (XS) (SS) (GC)                    | ENGR 390 Mechatronics            |
| 3 cr.                            | 3 cr.                            |
| ENGR 333 Linear Circuits         | ENGR 410 Capstone or 400 Internship |
| 3 cr.                            | 1-3 cr.                          |
| ENGR 340 Advanced PLCs           | Elective                         |
| 3 cr.                            | 3 cr.                            |
| Elective                         | Elective                         |
| 3 cr.                            | 3 cr.                            |

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