

BACHELOR OF SCIENCE IN ENGINEERING

With a concentration in Industrial & Systems Engineering

Student Name _____

Catalogue Year 2022 - 2023

GENERAL EDUCATION CORE

INTERDISCIPLINARY STUDIES (1-5 SH)

MUJ 1100 (2)
MUJ 2200 (1)
MUJ 3300 (1)
IDS 2100 (1)

COMPUTER COMPETENCY (0-3 SH)

CSC 1000 *** (0-3)
(Must be satisfied before completing 60 s.h.)

COMMUNICATIONS (6-10 SH)*

ENG 1000 (if needed) (1)
ENG 1010 (3)
ENG 1020 or 1040 (3)
ACL 1500, 1510, 3540 or 3600*** (0-3)

GLOBAL PERSPECTIVE ELECTIVE (3 SH)

**Choose one approved course (3)
(see page 2)

HUMANITIES (9 SH)

Literature (no ENG 1020 or 3620) (3)
History (3)
Religion (3)

FINE ARTS APPRECIATION (3 SH)

ARH 1510, 2530, 2540, MUS 1510, 1520, 1600, 1610, THE 1620
1630 or 3 s.h. applied MUS/THE ensemble (3)

MATHEMATICS (3-6 SH)

MAT 1015 (if needed) (3)
MAT 1050/1100 (or higher, except 1060 or 2060) (3)

NATURAL SCIENCES (6-8 SH) Stu682 53NA S18 0 0 S18 0 0 261.78 (06)-05; 0 S18 0 0 261.734 (u)-230 Td [61 (E)11 (484 Tw -33.150 Td [6c]-6 (i)16 (en)50 (c)-6 (t

Engineering Core (57 SH)

EGR 1100 (2)
EGR 1200 (3)
EGR 2100 (3)
EGR 2300 (3)
EGR 3100 (3)
EGR 3200 (3)
EGR 3310 (3)
EGR 3320 (3)
EGR 3920 (2)
EGR 4920 (2)
CHE 1511 (4)
CHE1510 (0)
MAT 2410 (4)
MAT 2420 (4)
MAT 3040 (4)
PHY 2510 (4)
PHY 2520 (4)
ENG 3210 (3)
Select 1 course from:
ECO 1510 (3)
ECO 1520 (3)

Industrial & Systems Concentration (30 SH)

ISE 3200 (3)
ISE 3300 (3)
ISE 4200 (3)
ISE 4310 (3)
ISE 4320 (3)
MAT 3120 (3)

Engineering Electives

Select a minimum of 9 s.h. from:

EGR 4850 (3)
EGR 4990(1-4)
ISE 3310 (3)
ISE 3500 (3)
ISE 4210 (3)
ISE 4400 (3)
ISE 4410 (3)
ISE 4420 (3)
ISE 4850 (3)
ISE 4990 (1-4)

Mathematics/ Science Elective (3-4 SH)

1 Mathematics/Science elective (approved by program)
Math/Science

Some General Education core requirements may be filled in the major. Consult Academic Catalogue and Advisor for specific options.

***Students who pass a competency test (administered on a pass/fail basis at no charge) for ACL 1510 and/or CSC 1000 will not be required to take the class for which a test is passed. Passing a competency test will not give a student a grade or the equivalent