

Bachelor of Applied Science in Software Systems Engineering (SSE)

2024-2025 Program

8 electives are required

| Term 1 (Fall) | | Prerequisites |
|--------------------------------|--|--|
| 3.0 CHEM 104 | | CHEM 30 or CHEM 100 (65%) |
| 3.0 ENGG 100 | | No prereq required |
| 3.0 PHYS 109 | | MATH B/C 30 or MATH 102 |
| 3.0 MATH 110 | | MATH B/C 30 (65%) |
| 3.0 MATH 122 | | MATH B/C 30 |
| Term 2 (Winter) | | |
| 3.0 CS 110 | | MATH B/C 30 |
| 3.0 ENGG 123 | | No prereq required |
| 3.0 ENGL 100 | | No prereq required |
| 3.0 MATH 111 | | MATH 110 |
| 3.0 ENGG 140 | | MATH 110 (concurrent enrolment allowed) |
| Term 3 (Fall) | | |
| 3.0 CS 115 | | MATH 110 (concurrent enrolment is allowed) and CS 110 (65%) |
| 3.0 ENEL 280 | | MATH 111 |
| 3.0 ENEV 223 | | ENGG 123 |
| 3.0 MATH 217 | | MATH 111 and MATH 122 |
| 3.0 PHYS 112 | | PHYS 109 |
| Term 4 (Winter, Spring/Summer) | | |
| 3.0 CS 210 | | CS 115 and MATH 110 |
| 3.0 ENSE 271 | | CS 115 |
| 3.0 ENEL 282 | | ENEL 280 |
| 3.0 MATH 213 | | MATH 111 and MATH 122 |
| 3.0 STAT 289 | | MATH 111 |
| Term 5 (Fall) | | |
| 3.0 CS 215 | | CS 210 |
| 3.0 CS 340 | | CS 210 |
| 3.0 ENEL 384 | | ENEL 282 |
| 3.0 ENSE 352 | | CS 210 and ENEL 384 (concurrent enrolment w/ ENEL 384 allowed) |
| 3.0 ENSE 374 | | CS 210 |
| Term 6 (Spring/Summer) | | |
| 3.0 BUS 260 | | ENGL 100 |
| 3.0 ECON 201 | | 15 credits or ECON 100 |
| 3.0 ENSE 353 | | CS 215 |
| 3.0 ENSE 375 | | ENSE 374 |
| 3.0 Approved elective | | |
| Term 7 (Winter) | | |
| 3.0 ENEL 351 | | ENSE 352 and ENEL 384 |
| 3.0 ENSE 350 | | MATH 110 and MATH 122 and CS 210 |
| 3.0 ENSE 370 | | ENSE 374 |
| 3.0 Approved Elective | | |
| 3.0 Approved Elective | | |
| Term 8 (Fall) | | |
| 3.0 ENGG 303 | | STAT 289 and ECON 201 |
| 1.0 ENSE 400 | | ENSE 370 and successful completion of 99 credit hours |
| 3.0 ENSE 472 | | CS 215 |
| 3.0 ENSE 452 | | ENEL 351 and CS 210 |
| 3.0 Approved Elective | | |
| 3.0 Approved Elective | | |
| Term 9 (Winter) | | |
| 3.0 ENGG 401 | | ENSE 400 |
| 3.0 ENSE 477 | | ENSE 400 and ENSE 370 |
| 3.0 Approved Elective | | |
| 3.0 Approved Elective | | |
| 3.0 Approved Elective | | |

Technical Electives (4 are required):

Four courses that are not included in the core SSE program course requirements. **They must include a minimum of two ENSE 4xx level courses.** Eligible technical electives include any 3xx or 4xx level CS, ENEL, ENSE, and CTCH courses or other approved technical electives.

Open Elective: one is required

Any 3 credit hour course.
(CS 100, CHEM 100 & Stat 160 are not permitted)

Social Science and Humanities Elective: one is required

Any Faculty of Arts course

Natural Science Elective: two are required

Astronomy, Biology, Chemistry, Geology, Physics
(CHEM 100 not permitted)

Total credit hours 136 (46 courses)

Non coop or internship term sequencing

| Fall | Winter | Spring | Fall | Winter | Spring |
|------|--------|--------|------|--------|--------|
| 1 | 2 | | 3 | 4 | |
| Fall | Winter | Spring | Fall | Winter | |
| 5 | 7 | 6 | 8 | 9 | |

PLEASE SEE BACK FOR IMPORTANT INFORMATION

Revised Oct 5, 2023– **Subject to Change**

FOLLOW PROGRAM SHEET IN SEQUENCE TO AVOID DELAYED GRADUATION

Bachelor of Applied Science in Software Systems Engineering (SSE)

Important Information

Selection of a Major: application deadlines are April 1st, August 1st and December 1st.

Eligibility: Students admitted to first year with a major of ENGE apply to the major of their choice with a minimum of 8 of the 10 required courses in Year 1 which include ENGG 100, ENGG 123, ENGG 140 and ENGL 100.

Selection of Major form is available on the faculty website: <https://www.uregina.ca/engineering/students/forms/index.html>

ECON 100 as a Social Science/Humanities Elective Students may use ECON 100 as a humanities elective if the course is taken before ECON 201.

Transfer Credit for ENGL LV 100 may be used as a Social Science/Humanities Elective.

CHEM 100 may not be used as a Natural Science Elective.

*U of R ADMN classes are not accepted by the Faculty of Engineering.

Credit received for STAT 100 and STAT 200 prior to joining the Faculty of Engineering will be accepted as three credit hours for STAT 289.

STAT 289 is available for students in their major; general engineering students cannot register in STAT 289.