

## Bachelor of Applied Science in Industrial Systems Engineering (ISE) 2025-2026 Program

5 electives are required

Term 1 (Fall)		Prerequisites
3.0 CHEM 104		CHEM 30 or CHEM 100 (65%)
3.0 ENGG 100		No prereq
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
3.0 ENGL 100		No prereq
3.0 MATH 111		MATH 110
3.0 ENGG 140		MATH 110 (concurrent enrolment allowed)
Term 3 (Fall)		
3.0 ENEL 280		MATH 111
3.0 ENEV 223		ENGG 123
3.0 ENGG 141		ENGG 140 and MATH 111 (concurrent enrolment w/ MATH 111 allowed)
3.0 MATH 217		MATH 111 and MATH 122
3.0 Nat Sc. Elective		1 of 2 required
Term 4 (Winter)		
3.0 CHEM 105		CHEM 104
3.0 ENIN 233		MATH 217
3.0 ENIN 241		ENGG 141 and MATH 111
3.0 MATH 213		MATH 111 and MATH 122
3.0 STAT 289		MATH 111
Term 5 (Fall)		
3.0 ENEV 261		ENGG 141 and PHYS 109 or PHYS 119 and 45 credit hours
3.0 ENGG 330		CS 110 and MATH 111 and MATH 122 and STAT 289
3.0 ENIN 331		STAT 289
3.0 ENIN 343		ENIN 241
3.0 SS/Hum Elective		No prereq
Term 6 (Spring/Summer)		
3.0 BUS 260		ENGL 100
3.0 ECON 201		15 credits or ECON 100, or precalculus 20 or equivalent
3.0 ENEL 361		ENIN 233 and ENEL 280 or ENEL 280 and ENEL 281
3.0 ENIN 253		PHYS 109 or PHYS 119
3.0 ENIN 350		CHEM 104 and ENIN 253 (concurrent enrollment w/ ENIN 253 allowed)
Term 7 (Winter)		
3.0 ENIN 355		ENEV 261 and ENIN 350
3.0 ENIN 430		ENIN 331, or completion of at least 66 credit hours or permission from Program Chair
3.0 ENIN 440		STAT 289 and 66 credit hrs
3.0 ENIN 453		ENIN 253 and ENEV 261
3.0 Approved elective		
Term 8 (Fall)		
3.0 choose one of 250, 285, 302		Bus 250 (Bus 260) Bus 285 (Econ 201) BUS 302 (30 credit hrs) Contact <a href="mailto:engg.undergrad@uregina.ca">engg.undergrad@uregina.ca</a> for registration assistance
3.0 ENGG 303		STAT 289 and ECON 201
3.0 ENIN 340		ENIN 233 and ENIN 241
3.0 ENIN 349		ENIN 241 and ENIN 343
1.0 ENIN 400		ENIN 453, ENIN349 (concurrent enrolment allowed) and successful completion of 99 credit hours or permission of Program Chair
3.0 ENIN 444		CS 110 and ENIN 349 (concurrent enroll w/ ENIN 349 allowed)
Term 9 (Winter)		
3.0 Nat Sc. Elective		2 of 2 required
3.0 ENGG 401		ENIN 400
3.0 ENIN 413		ENIN 400
3.0 ENIN 433		STAT 289 and MATH 217
3.0 Approved Elective		

Choose 2 from the following:	Prerequisites needed for electives
ENEL 462	ENEL 361
ENEL 463	ENEL 389
ENGG 411	STAT 289 and 75 credit hours
ENIN 370	ENEL 280 and ENEL 361
ENIN 445	ENIN 343
ENIN 448	ENIN 343
ENIN 455	ENIN 253
ENIN 456	ENIN 355
ENIN 457	ENIN 350
ENIN 463	ENIN 453
Social Science and Humanities Elective (choose one)	
Any Faculty of Arts course or La Cité course.	
Natural Science Elective (choose two from)	
Astronomy, Biology, Chemistry, ESC, Physics (CHEM 100 <u>not</u> permitted)	

ISE Program elective options	Term 7	Term 8	Term 9
Process	ENIN 455	ENIN 457	ENIN 456
Management (IE)	ENIN 455		ENGG 411
Manufacturing	ENIN 448		ENIN 445
Mechanical	ENIN 370 ENGG 411		ENIN 463

**Total credit hours 136 (46 courses)**

**Non coop or internship term sequencing**

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

**PLEASE SEE BACK FOR IMPORTANT INFORMATION**

Feb 7, 2025 – Subject to Change

# **FOLLOW PROGRAM SHEET IN SEQUENCE TO AVOID DELAYED GRADUATION**

## **Bachelor of Applied Science in Industrial Systems Engineering (ISE)**

### Important Information

Selection of a Major for students admitted to Engineering General in their first year:

- Application submission starts March 1.
- To apply for a major, general engineering students must have completed or be currently registered in 24 of 30 credit hours (8 of the 10 courses) from TERM 1 and TERM 2. The courses that must be included are ENGG 100, ENGG 123, ENGG 140 and ENGL 100.

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

Social Science/Humanities Elective: Students may use ECON 100 as a social science/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.

BUS 260 is used as the prerequisite for BUS 250 and BUS 210 for engineering students only. Contact the Engineering General Office for registration assistance.

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.

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