

Bachelor of Applied Science in Industrial Systems Engineering (ISE) 2023-2024 Program

5 electives are required

Term 1 (Fall)		Prerequisites
3.0 CHEM 104		CHEM 30 or CHEM 100 (65%)
3.0 ENGG 123		No prereq required
3.0 ENGG 140		MATH 110 concurrent
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 100		No prereq required
3.0 ENGL 100		No prereq required
3.0 MATH 111		MATH 110
3.0 PHYS 119		ENGG 140
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, Spring/Summer)		
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 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		1 required
Term 6 (Spring/Summer)		
3.0 BUS 260		ENGL 100
3.0 ECON 201		15 credits or ECON 100
3.0 ENEL 361		ENIN 233 and ENEL 280 or ENEL 280 and ENEL 281
3.0 ENIN 253		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
3.0 ENIN 440		STAT 289 and 66 credit hours
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 university studies)
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 the 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 taken in same academic year
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	
Natural Science Elective (choose two from)	
Astronomy, Biology, Chemistry, Geology, 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

Revised Feb 1, 2023 – **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: 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.

PHYS 109 as a Natural Science elective. Students may use PHYS 109 as a natural science elective if the course is taken before PHYS 119.

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

BUS 260 is used as the prerequisite for BUS 250 *for engineering students only*. Contact the Engineering General Office for registration assistance. The prerequisite for BUS 285 is ECON 201 and the prerequisite for BUS 302 is 30 credit hrs of university studies.

*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.