Torm 1 /Fall)	Dravaguiaitaa
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)	allowed
3.0 CS 115	CS 110 with 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 ENEL 281	ENEL 280 and MATH 217 (concurrent enrolment w/ MATH 217 allowed)
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 BUS 260	ENGL 100
3.0 ENEL 383	ENEL 281 and ENEL 282
3.0 ENEL 384	ENEL 282
3.0 ENSE 352	CS 210 and ENEL 384 (concurrent enrolment. w/ ENEL 384 allowed)
3.0 PHYS 201	PHYS 119 and MATH 213 (concurrent enrolment w/ MATH 213 allowed)
Term 6 (Spring/Summe	r)
3.0 BUS 210 or	Bus 210 & 250 (Bus 260) Bus 285 (Econ
250 or 285 or 302	201) BUS 302 (30 credit hrs of university studies)
3.0 CS 335	CS 210 and STAT 289
3.0 ECON 201	15 credits or ECON 100
3.0 ENEL 341	ENEL 281 and MATH 217
	ENIN 233 or ENEL 280 and ENEL
3.0 ENEL 361	281
Term 7 (Winter)	
3.0 ENEL 351	ENSE 352 and ENEL 384
3.0 ENEL 371	ENEL 281 and PHYS 201 or
3.0 ENSE 350	permission of ESE Program Chair MATH 110 and MATH 122 and CS 210
3.0 Approved Elective	35215
3.0 Approved Elective 3.0 Approved Elective	
Term 8 (Fall)	
1.0 ENEL 400	ENEL 383, ENEL 371, ENEL 341 (390), ENEL 361 (380), ENEL 351 (387) and successful completion
	of 99 credit hours or permission of ESE Program Chair
3.0 ENGG 303	STAT 289 and ECON 201
3.0 Approved Elective	
Term 9 (Winter)	ENEL 100 LEVEL 251
3.0 ENEL 417	ENEL 400 and ENEL 351
3.0 ENGG 401	ENEL 400
3.0 Approved Elective	
3.0 Approved Elective	
3.0 Approved Elective	

Bachelor of Applied Science in Electronic Systems Engineering (ESE) 2024-2025 Program

9 electives are required (prerequisites are in brackets)

1. Communi	cations		2. Micro-Electronics					
ENEL 442 (ENEL 341)			ENEL 452 (ENEL 351, CS 210)					
ENEL 442 (ENEL 341) ENEL 443 (ENEL 442, CS 335)			ENEL 452 (ENEL 351, CS 210)					
And 5 courses from the			And 5 courses from the					
approved list			approved list					
3. Control			4. Power					
ENEL 462 (ENEL 361)			ENEL 472 (ENEL 371)					
ENEL 463 (ENEL 462)			ENEL 473 (ENEL 472)					
And 5 courses from the approved list			And 5 courses from the approved list					
Approved list includes Technical, Software, and Risk and Industrial Safety								
Technical Electives								
ENEL 395	ENEL 442	ENEL 462		ENEL 472	ENEL 473			
ENEL 443	ENEL 452	ENEL 453		ENEL 463	ENEL 495			
ENEV 261	ENIN 253	ENSE 481						
Software Electives (may choose one)								
CS 215	CS 330	CS 340		CS 350	CS 372			
CS 375 or any ENSE class except ENSE 477								
Risk and Industrial Safety Electives (may choose one)								
ENEV 334	ENGG 411	ENII	N 433	ENIN 440				
Social Science and Humanities Elective (choose one)								
Any Faculty of Arts course								
Natural Science Elective (choose one from)								
Astronomy, Biology, Biochemistry, Geology, Physics, Chemistry (CHEM 100 <u>not</u> 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 Electronic Systems Engineering (ESE)

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/student-forms.html#fact_2_4

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.

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.

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