

SIMON FRASER UNIVERSITY
SCHOOL OF ENGINEERING SCIENCE
UNDERGRADUATE COURSE SCHEDULE: FALL SEMESTER 2019

(Contact: Nathan Owen ensccrd@sfu.ca x25910)

****This schedule is subject to change without notice,
always consult SIS for the most current and accurate information****

- *A C- grade or better in prerequisite courses is required to register in engineering science courses*
- *Minimum 2.4 CGPA is required for direct registration in upper division courses (excluding ENSC 320)*
- *Other Faculties' students may not register with a CGPA below 2.4*
- *Online enrollment in ENSC 3XX and 4XX courses is restricted to Engineering Science students who have declared their option. Students in programs other than Engineering should waitlist and you will be enrolled manually if a seat is available.*
- *Tutorials without specified days and times will occur during the specified lecture time*

ENSC 100W

Engineering, Science and Society (3)

REQ-Corequisite: ENSC 105W. Students with credit for ENSC 100, CMPT 106, ENSC 106, or MSE 102 may not take this course for further credit.

#8607	D100	Lecture	Mon Wed	12:30-14:20 12:30-13:20	EDB 7618 EDB 7618	Michael Hegedus
#9251	LA01	Laboratory	Mon	15:30-16:20	RCB 7102	Tentative
#9255	LA02	Laboratory	Mon	15:30-16:20	SWH 10075	Tentative
#9254	LA03	Laboratory	Mon	16:30-17:20	AQ 5029	Tentative
#9253	LA04	Laboratory	Mon	16:30-17:20	WMC 2530	Tentative
#9252	LA05	Laboratory	Wed	13:30-14:20	AQ 5007	
#9260	LA06	Laboratory	Wed	13:30-14:20	AQ 4140	
#9259	LA07	Laboratory	Wed	13:30-14:20	WMC 2530	
#9258	LA08	Laboratory	Wed	16:30-17:20	AQ 5029	
#9257	LA09	Laboratory	Wed	16:30-17:20	AQ 5046	
#9256	LA10	Laboratory	Wed	16:30-17:20	WMC 2530	
#9272	LA11	Laboratory	Thu	08:30-09:20	AQ 5029	
#9271	LA12	Laboratory	Thu	08:30-09:20	WMC 2530	
#9270	LA13	Laboratory	Tue	16:30-17:20	AQ 5015	
#9269	LA14	Laboratory	Thu	09:30-10:20	WMC 2530	
#9268	LA15	Laboratory	Thu	11:30-12:20	TASC2-7201	Reserved for TechConnect Program
#9267	LA16	Laboratory	Thu	11:30-12:20	WMC 2530	Reserved for TechConnect Program
#9266	LA17	Laboratory	Thu	12:30-13:20	TASC2-7201	
#9265	LA18	Laboratory	Thu	12:30-13:20	WMC 2530	
#9264	LA19	Laboratory	Thu	13:30-14:20	TASC2-7201	
#9263	LA20	Laboratory	Thu	13:30-14:20	WMC 2530	
#9262	LA21	Laboratory	Tue	16:30-17:20	WMC 2530	
#9261	LA22	Laboratory	Thu	15:30-16:20	WMC 2530	Reserved for TechConnect Program
#9284	LA23	Laboratory	Fri	12:30-13:20	AQ 5046	Reserved for TechConnect Program
#9283	LA24	Laboratory	Fri	12:30-13:20	TASC2-7201	Reserved for TechConnect Program
#9282	LA25	Laboratory	Fri	13:30-14:20	AQ 5029	
#9281	LA26	Laboratory	Fri	13:30-14:20	TASC2-7201	
#9280	LA27	Laboratory	Fri	15:30-16:20	TASC2-7201	Tentative
#9279	LA28	Laboratory	Fri	15:30-16:20	WMC 2530	Tentative
#9278	LA29	Laboratory	Fri	16:30-17:20	AQ 5029	Tentative
#9277	LA30	Laboratory	Fri	16:30-17:20	WMC 2530	Tentative

ENSC 105W**Process, Form, and Convention in Professional Genres (3)**

REQ-Corequisite: CMPT 106, ENSC 100 or ENSC 106. Students with credit for CMPT 105W, ENSC 102 or MSE 101W may not take ENSC 105W for further credit.

#8599	D100	Lecture	Mon	10:30-11:20	C9002	Stephen Whitmore
			Wed	10:30-11:20	AQ 3182	
			Fri	10:30-11:20	EDB 7618	

ENSC 120**Introduction to Electronics Laboratory Instruments Operation and Measurement Techniques (2)**

REQ-BC Pre-Calculus 12 and BC Physics 12 (or equivalents).

#5591	D100	Lecture	Thu	16:30-18:20	SWH 10081	Atousa Haj
#8600	LA01	Laboratory	Tue	08:30-10:20	ASB 9800A	
#8646	LA02	Laboratory	Tue	12:30-14:20	ASB 9800A	
#8601	LA03	Laboratory	Tue	12:30-14:20	ASB 9800A	
#8602	LA04	Laboratory	Tue	08:30-10:20	ASB 9800A	Tentative
#8603	LA05	Laboratory	Thu	08:30-10:20	ASB 9800A	Tentative
#8604	LA06	Laboratory	Thu	10:30-12:20	ASB 9800A	
#8647	LA07	Laboratory	Thu	10:30-12:20	ASB 9800A	
#8605	LA08	Laboratory	Thu	12:30-14:20	ASB 9800A	
#8648	LA09	Laboratory	Thu	12:30-14:20	ASB 9800A	
#7201	LA10	Laboratory	Thu	12:30-14:20	ASB 9800A	Tentative

ENSC 204**Graphical Communication for Engineering (1)**

#8606	D100	Lecture	Wed	15:30-16:20	SWH 10081	Bob Gill
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ENSC 220**Electric Circuits I (4)**

REQ(PHYS 121 or PHYS 126 or PHYS 141), ENSC 120, MATH 232 and MATH 310. MATH 232 and/or MATH 310 may be taken concurrently. Students with credit for MSE 250 cannot take this course for further credit.

#8598	D100	Lecture	Tue	12:30-14:20	AQ 3149	Ash Parameswaran
			Thu	12:30-14:20	AQ 3150	
#9285	D101	Tutorial				
#9286	LA01	Laboratory	Mon	16:30-18:50	ASB 9800A	
#9287	LA02	Laboratory	Thu	14:30-16:50	ASB 9800A	
#9288	LA03	Laboratory	Fri	09:30-11:50	ASB 9800A	
#9289	LA04	Laboratory	Fri	13:30-15:50	ASB 9800A	Tentative

ENSC 251**Software Design and Analysis for Engineers (4)**

REQ-CMPT 128 or CMPT 135 or (CMPT 125 and CMPT 127).

#8611	D100	Lecture	Mon/Wed	10:30-12:20	SWH 10041	Zhenman Fang
#8618	D101	Tutorial				
#8614	LA01	Laboratory	Tue	14:30-16:50	ASB 8800	
#8615	LA02	Laboratory	Thu	14:30-16:50	ASB 8800	Tentative
#8616	LA03	Laboratory	Thu	08:30-11:50	ASB 8800	
#8617	LA04	Laboratory	Fri	13:30-15:50	ASB 8800	

ENSC 252**Fundamentals of Digital Logic & Design (4)**

REQ- CMPT 128 or CMPT 125 or CMPT 126 or CMPT 135. Students with credit for ENSC/CMPT 150 or ENSC 329/MSE 350 cannot take this course for further credit.

#8612	D100	Lecture	Tue	08:30-10:20	SWH 10041	Anita Tino
#8612	D100	Lecture	Thu	08:30-10:20	WMC 3260	

#8613	D101	Tutorial				
#8614	LA01	Laboratory	Tue	14:30-16:50	ASB 10810	
#8615	LA02	Laboratory	Thu	14:30-16:50	ASB 10810	Tentative
#8616	LA03	Laboratory	Fri	09:30-11:50	ASB 10810	
#8617	LA04	Laboratory	Fri	13:30-15:50	ASB 10810	

ENSC 316 Introduction to Electrodynamics for Engineers ENSC 316 (3)

REQ- MATH 251 and (ENSC 220 or MSE 250).

#8644	D100	Lecture	Mon/Wed	12:30-14:20	BLU 9660	Bernhard Rabus
#8645	D101	Tutorial				

ENSC 324 Electronic Devices (3)

REQ- (ENSC 220 or MSE 250), MATH 232, and MATH 310. Students with credit for ENSC 224 or PHYS 365 may not take ENSC 324 for further credit.

#8629	D100	Lecture	Tue/Thu	08:30-10:20	K9500	Meenakshinathan Parameswaran
#9296	D101	Tutorial				
#9297	LA01	Required Lab				

ENSC 351 Embedded and Real Time System Software (4)

REQ-(CMPT 128 and ENSC 215 and ENSC 250) or ENSC 254 or (CMPT 225 and (CMPT 250 or CMPT 295)) and a minimum of 60 credit hours/units. Students with credit for or who are concurrently enrolled in ENSC 451/MSE 450 cannot take this course for further credit.

#8596	D100	Lecture	Tue/Thu	12:30-14:20	SWH 10081	Craig Scratchley
#8652	D101	Tutorial				
#8608	LA01	Laboratory	Tue	16:30-20:20	ASB 8800	
#8609	LA02	Laboratory	Wed	16:30-20:20	ASB 8800	
#8610	LA03	Laboratory	Thu	16:30-20:20	ASB 8800	
#8625	LA04	Laboratory	Fri	11:30-15:20	ASB 8800	

ENSC 370 Biomedical Engineering Directions (3)

REQ-Completion of at least 25 units of engineering science (ENSC) courses.

#8630	D100	Seminar	Mon	10:30-12:20	AQ 5019	Andrew Rawicz
#8634	D101	Tutorial	Wed	10:30-12:20	SWH 10075	

ENSC 380 Linear Systems (3)

REQ-ENSC 180, 220 (or MSE 250) and MATH 310. Students with credit for MSE 280 may not take ENSC 380 for further credit.

#8626	D100	Lecture	Tue/Thu	14:30-16:20	AQ 3181	Ivan Bajic
#9294	D101	Tutorial				

ENSC 385 Statics and Strength of Materials (3)

REQ: (PHYS 120 or PHYS 140) and MATH 152. Students with credit for ENSC 281 or MSE 221 cannot take this course for further credit.

#6694	D100	Lecture	Mon Wed	08:30-10:20 08:30-10:20	AQ 5018 SECB1012	Mehran Mehrandezh
#9622	LA01	Required Lab				

ENSC 424 Multimedia Communications Engineering (4)

REQ-ENSC 380 or MSE 280 and a minimum of 80 units.

#8627	D100	Lecture	Mon Wed	08:30-10:20 08:30-10:20	RCB 8100 WMC 3210	Jie Liang
#8635	D101	Tutorial				

ENSC 440 Capstone B (3)

REQ-ENSC 405W. Students will be automatically enrolled in ENSC 440 in the term immediately following successful completion of ENSC 405W. Students with credit for ENSC 440W, ENSC 442 or MSE 411 may not take this course for further credit.

#8637	D100	Lecture	Fri	14:30-16:20	AQ 5005	Andrew Rawicz
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ENSC 477**Biomedical Image Acquisition (4)**

REQ-(ENSC 380 or MSE 280) and a minimum of 80 units. Students with credit for ENSC 374 cannot take this course for further credit.

THIS COURSE IS COMBINED WITH ENSC 895 G100

#10656	D100	Lecture	Tue	14:30-16:20	AQ 4140	Marinko Sarunic
			Thu	14:30-16:20	WMC 3210	
#9293	D101	Tutorial				
#9292	LA01	Laboratory	Fri	09:30-11:20	RCB6125	