

SIMON FRASER UNIVERSITY
SCHOOL OF ENGINEERING SCIENCE
UNDERGRADUATE COURSE SCHEDULE: FALL SEMESTER 2020

(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.*
- *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.

#7257	D100	Lecture	Thu	12:30 – 14:20	REMOTE	Michael Hegedus
			Tue	13:30 – 14:20	REMOTE	Michael Hegedus
#7321	LA17	Laboratory	Thu	12:30 – 13:20	REMOTE	Michael Hegedus
#7320	LA18	Laboratory	Thu	12:30 – 13:20	REMOTE	Michael Hegedus
#7319	LA19	Laboratory	Thu	13:30 – 14:20	REMOTE	Michael Hegedus
#7318	LA20	Laboratory	Thu	13:30 – 14:20	REMOTE	Michael Hegedus
#7334	LA23	Laboratory	Fri	12:30 – 13:20	REMOTE	Michael Hegedus
#7333	LA24	Laboratory	Fri	12:30 – 13:20	REMOTE	Michael Hegedus
#7329	LA28	Laboratory	Fri	15:30 – 16:20	REMOTE	Michael Hegedus

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

#7250	D100	Lecture	Fri	10:30 – 11:20	REMOTE	Chelsey Currie
			Mon	10:30 – 11:20	REMOTE	Chelsey Currie
			Wed	10:30 – 11:20	REMOTE	Chelsey Currie

ENSC 204 Graphical Communication for Engineering (1)

Students who have taken ENSC 104, MSE 100 or SEE 100 first may not then take this course for further credit.

#7256	D100	Lecture	Wed	15:30 - 16:20	REMOTE	Balbir 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

#7249	D100	Lecture	Tue/Thu	12:30 - 14:20	REMOTE	Atousa Hajshirmohammadi
#7335	D101	Tutorial	TBA	TBA	REMOTE	Atousa Hajshirmohammadi
#7336	LA01	Laboratory	Mon	16:30 – 18:50	REMOTE	Atousa Hajshirmohammadi
#7338	LA03	Laboratory	Fri	9:30 – 11:50	REMOTE	Atousa Hajshirmohammadi

ENSC 225**Microelectronics I (4)**

REQ-(ENSC 220 or MSE 250), (MATH 232) and (MATH 310). Students taking or with credit for ENSC 226 or MSE 251 may not take ENSC 225 for further credit. This course has a mandatory lab for all students to complete the course requirements. This lab is an open lab.

#8895	D100	Lecture	Tue/Thu	14:30 - 16:20	REMOTE	Ash Parameswaran
#8896	LA01	Required Lab	TBA	TBA	TBA	Ash Parameswaran

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

REQ-(CMPT 128 or CMPT 135), or (CMPT 125 and CMPT 127). Seats in this course are reserved for students in the Engineering Science Major or the minor in Computer and Electronics Design program.

#7261	D100	Lecture	Mon/Wed	10:30 – 12:30	REMOTE	Zhenman Fang
#7268	D101	Tutorial	TBA	TBA	REMOTE	Zhenman Fang
#7270	LA03	Laboratory	Thu	14:30 – 16:50	REMOTE	Zhenman Fang
#7271	LA04	Laboratory	Fri	9:30 – 11:50	REMOTE	Zhenman Fang

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 ENSC329/MSE 350 cannot take this course for further credit.

#8935	D200	Lecture	Tue/Thu	10:30 – 12:20	REMOTE	Anita Tino
#7264	LA01	Laboratory	Tue	14:30 – 16:50	REMOTE	Anita Tino
#7265	LA02	Laboratory	Thu	14:30 – 16:50	REMOTE	Anita Tino
#7266	LA03	Laboratory	Fri	9:30 – 11:50	REMOTE	Anita Tino
#7267	LA04	Laboratory	Fri	13:30 – 15:50	REMOTE	Anita Tino

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

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

#7283	D100	Lecture	Mon/Wed	12:30 – 14:20	REMOTE	Bernhard Rabus
#7284	D101	Tutorial	TBA	TBA	REMOTE	Bernhard Rabus

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.

#7275	D100	Lecture	Tue/Thu	8:30 – 10:20	REMOTE	Ash Parameswaran
#7343	D101	Tutorial	TBA	TBA	REMOTE	Ash Parameswaran
#7344	LA01	Required Lab	TBA	TBA	REMOTE	Ash Parameswaran

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.

#8836	D200	Lecture	Mon/Wed	14:30 – 16:20	REMOTE	Craig Scratchley
#8839	D201	Tutorial	TBA	TBA	REMOTE	Craig Scratchley
#7258	LA01	Laboratory	Tue	16:30 – 20:20	REMOTE	Craig Scratchley
#7259	LA02	Laboratory	Wed	16:30 – 20:20	REMOTE	Craig Scratchley
#7260	LA03	Laboratory	Thu	16:30 – 10:20	REMOTE	Craig Scratchley
#7272	LA04	Laboratory	Fri	11:30 – 15:20	REMOTE	Craig Scratchley
#8838	LB02	Laboratory	Wed	16:30 – 20:20	TBA	Craig Scratchley
#8840	LB03	Laboratory	Thu	16:30 – 20:20	REMOTE	Craig Scratchley
#8841	LB04	Laboratory	Fri	11:30 – 15:20	TBA	Craig Scratchley

ENSC 370**Biomedical Engineering Directions (3)**

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

#7276	D100	Seminar	Mon	10:30 – 12:20	REMOTE	Andrew Rawicz
#7278	D101	Tutorial	Wed	10:30 – 12:20	REMOTE	Andrew Rawicz
#8964	D200	Seminar	Tue/Thu	8:30 – 10:20	REMOTE	Andrew Rawicz

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.

#7273	D100	Lecture	Tue/Thu	14:30 – 16:20	REMOTE	Kamal Gupta
#7341	D101	Tutorial	TBA	TBA	REMOTE	Kamal Gupta

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.

#7277	D100	Lecture	Mon/Wed	8:30 – 10:20	REMOTE	Mehran Mehrandezh
#7342	LA01	Required Lab	TBA	TBA	REMOTE	Mehran Mehrandezh

ENSC 426**High Frequency Electronics (4)**

REQ- Completion of 80 units including (ENSC 416 or PHYS 421) and (ENSC 325). Physics students with credit for PHYS 326 and PHYS 421 may take this course with permission of the instructor. Online enrollment in this course is restricted to Engineering Science students who have declared their option.

#8735	D100	Lecture	Mon/Wed	12:30 – 14:20	REMOTE	Lakshman One
#8737	D101	Tutorial	TBA	TBA	TBA	Lakshman One
#8736	LA01	Required Lab	TBA	TBA	TBA	Lakshman One

ENSC 462**Special Topics in Engineering Science – St. Biomedical Microdevices (3)**

Prerequisite: To be determined by the instructor subject to approval by the department chair. This course introduces students to microdevices and systems with applications in biology, chemistry, and medicine.

#8792	E100	Lecture	Mon/Wed	16:30 – 18:20	REMOTE	Bonnie Gray
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