SIMON FRASER UNIVERSITY SCHOOL OF ENGINEERING SCIENCE UNDERGRADUATE COURSE SCHEDULE: FALL SEMESTER 2022

(Contact: 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.

#5936	E100	Lecture	Mon	17:30 – 19:20	SWH10081	Michael Hegedus
			Wed	17:30 – 18:20	B9201	Michael Hegedus
#6154	LA01	Laboratory (8)	Mon	10:30 - 11:20	RCB7102	Michael Hegedus
#6155	LA02	Laboratory (8)	Mon	10:30 - 11:20	WMC2530	Michael Hegedus
#6156	LA03	Laboratory (8)	Mon	10:30 – 11:20	RCB5100	Michael Hegedus
#6157	LA04	Laboratory (8)	Mon	11:30 – 12:20	RCB7102	Michael Hegedus
#6158	LA05	Laboratory (8)	Mon	11:30 – 12:20	WMC2530	Michael Hegedus
#6159	LA06	Laboratory (8)	Mon	11:30 – 12:20	RCB5100	Michael Hegedus
#6160	LA07	Laboratory (8)	Mon	16:30 – 17:20	RCB7101	Michael Hegedus
#6161	LA08	Laboratory (8)	Mon	16:30 – 17:20	RCB7102	Michael Hegedus
#6162	LA09	Laboratory (8)	Mon	16:30 – 17:20	RCB5100	Michael Hegedus
#6163	LA10	Laboratory (8)	Tue	12:30 – 13:20	WMC2530	Michael Hegedus
#6164	LA11	Laboratory (8)	Tue	12:30 – 13:20	RCB5100	Michael Hegedus
#6165	LA12	Laboratory (8)	Tue	13:30 – 14:20	WMC2530	Michael Hegedus
#6166	LA13	Laboratory (8)	Tue	13:30 – 14:20	RCB5100	Michael Hegedus
#6167	LA14	Laboratory (8)	Tue	16:30 – 17:20	RCB7102	Michael Hegedus
#6168	LA15	Laboratory (8)	Tue	16:30 – 17:20	RCB5100	Michael Hegedus
#6169	LA16	Laboratory (8)	Tue	17:30 – 18:20	WMC2530	Michael Hegedus
#6170	LA17	Laboratory (8)	Tue	17:30 – 18:20	RCB5100	Michael Hegedus
#6171	LA18	Laboratory (8)	Wed	13:30 – 14:20	WMC2530	Michael Hegedus
#6172	LA19	Laboratory (8)	Wed	13:30 – 14:20	RCB5100	Michael Hegedus
#6173	LA20	Laboratory (8)	Wed	15:30 – 16:20	WMC2530	Michael Hegedus
#6174	LA21	Laboratory (8)	Wed	15:30 – 16:20	RCB5100	Michael Hegedus
#6175	LA22	Laboratory (8)	Wed	16:30 – 17:20	WMC2530	Michael Hegedus
#6176	LA23	Laboratory (8)	Wed	16:30 – 17:20	RCB5100	Michael Hegedus
#6177	LA24	Laboratory (8)	Wed	13:30 – 14:20	RCB7101	Michael Hegedus
#8096	LA25	Laboratory (8)	Wed	13:30 – 14:20	RCB6100	Michael Hegedus
#8097	LA26	Laboratory (8)	Wed	14:30 – 15:20	RCB7101	Michael Hegedus
#8098	LA27	Laboratory (8)	Wed	14:30 – 15:20	RCB7102	Michael Hegedus
#8129	LA28	Laboratory (8)	Tue	12:30 – 13:20	AQ5046	Michael Hegedus
#8130	LA29	Laboratory (8)	Tue	13:30 - 14:20	AQ5046	Michael Hegedus
#8131	LA30	Laboratory (8)	Tue	16:30 – 17:20	AQ5026	Michael Hegedus
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SIMON FRASER UNIVERSITY

SCHOOL OF ENGINEERING SCIENCE

UNDERGRADUATE COURSE SCHEDULE: FALL SEMESTER 2022

		UNDERGRADUATE	COURSE SC	HEDULE: FALL S	EMESTER 202	22		
ENSC 105W	Process of Prof. Writing (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 1 for further credit							
#5932	D100	Lecture	Mon	12:30 - 13:20	WMC3520	Michael Sjoerdsma		
			Wed	12:30 - 13:20	WMC3520	Michael Sjoerdsma		
			Fri	12:30 - 13:20	WMC3520	Michael Sjoerdsma		
ENSC 120	Techn	luction to Electron liques (2) site: BC Pre-Calculus 12 an		-	Operation ar	nd Measurement		
#5929	D100	Lecture	Thu	8:30 - 10:20	WMC3520	Atousa Hajshirmohammadi		
#5962	LA01	Laboratory (35)	Wed	10:30 - 12:20	ASB9800A	Atousa Hajshirmohammadi		
#6011	LA02	Laboratory (35)	Wed	10:30 - 12:20	ASB9800A	Atousa Hajshirmohammadi		
#5933	LA03	Laboratory (35)	Tue	10:30 - 12:20	ASB9800A	Atousa Hajshirmohammadi		
#6012	LA04	Laboratory (35)	Tue	10:30 - 12:20	ASB9800A	Atousa Hajshirmohammadi		
#5934	LA05	Laboratory (35)	Wed	14:30 - 16:20	ASB9800A	Atousa Hajshirmohammadi		
#5963	LA05	Laboratory (35)	Wed	14:30 - 16:20	ASB9800A	Atousa Hajshirmohammadi		
#8133	LA00 LA07	Laboratory (35)	Thu	14.30 - 10.20 16:30 - 18:20	ASB9800A	Atousa Hajshirmohammadi		
#0155	LAU7	Laboratory (55)	mu	10.30 - 18.20	AJDJOUUA	Alousa hajsiiinnonaninau		
ENSC 151	Intro. to Software Development for Engineers (4) Prerequisite: BC Math 12 (or equivalent, or any of MATH 100, 150, 151, 154, or 157, with a minimum grade of C-). Students who have taken ENSC 251, CMPT 125, 129, 135, or CMPT 200 or higher first may not then take this course for further credit.							
#7393	D100	Lecture	Tue/Thu	14:30 – 16:20	AQ3181	Craig Scratchley		
#7394	LA01	Laboratory (40)	Tue	10:30 - 12:20	ASB8800	Craig Scratchley		
#7395	LA02	Laboratory (40)	Thu	10:30 - 12:20	ASB8800	Craig Scratchley		
#7396	LA03	Laboratory (40)	Fri	10:30 - 12:20	ASB8800	Craig Scratchley		
#7397	LA04	Laboratory (40)	Fri	13:30 - 15:20	ASB8800	Craig Scratchley		
#7398	LA05	Laboratory (40)	Fri	15:30 – 17:20	ASB8800	Craig Scratchley		
#8116	LA06	Laboratory (40)	Tue	8:30 - 10:20	ASB8800	Craig Scratchley		
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.							
#5935	D100	Lecture	Wed	15:30 - 16:20	AQ3181	Shervin Jannesar		
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							
#5931	D100	Lecture	Tue/Thu	14:30 - 16:20	AQ3003	Ash Parameswaran		
#6185	LA01	Laboratory (35)	Mon	11:30 - 13:50	ASB9800A	Ash Parameswaran		
#6186	LA01 LA02	Laboratory (35)	Mon	14:00 - 16:20	ASB9800A	Ash Parameswaran		
#6187		Laboratory (35)	Tue	16:30 - 18:50	ASB9800A ASB9800A			
#0187	LA03	Laboratory (55)	Tue	10.50 - 18.50	A3B9800A	Ash Parameswaran		
ENSC 225	REQ-(ENS					226 or MSE 251 may not take ENSC 225 nents. This lab is an open lab.		
#6006	D100	Lecture	Tue/Thu	14:30 – 16:20	SWH10041	Majid Shokoufi		
#6007	LA01	Required Lab	TBA	TBA	TBA	Majid Shokoufi		
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SIMON FRASER UNIVERSITY SCHOOL OF ENGINEERING SCIENCE UNDERGRADUATE COURSE SCHEDULE: FALL SEMESTER 2022

ENSC 251	REQ-(CM	are Design & Anal PT 128 or CMPT 135), or (C the minor in Computer and	MPT 125 and CMPT	127). Seats in this course	e are reserved for s	tudents in the Engineering Science	
#5939	D100	Lecture	Tue/Thu	12:30 – 14:20	AQ3150	Zhenman Fang	
#5945	D101	Tutorial	•	of tutorial will occur with	in	Zhenman Fang	
	the scheduled lecture time						
#5946	LA01	Laboratory (40)	Wed	12:00 - 14:20	ASB9896	Zhenman Fang	
#5947	LA02	Laboratory (40)	Thu	16:30 - 18:50	ASB9896	Zhenman Fang	
#5948	LA03	Laboratory (40)	Fri	12:00 - 14:20	ASB9896	Zhenman Fang	
ENSC 252	REQ-(CM	mentals of Digita PT 128 or CMPT 125 or CM r further credit.			or ENSC/CMPT 150	or ENSC329/MSE 350 cannot take th	nis
#5940	D100	Lecture	Tue/Thu	10:30 - 12:20	AQ3150	Majid Shokoufi	
#5941	D101	Tutorial	One weekly hou	r of tutorial will occur with	hin	Majid Shokoufi	
			the scheduled le	cture time		5	
#5942	LA01	Laboratory (48)	Tue	16:30 – 18:50	ASB9896	Majid Shokoufi	
#5943	LA02	Laboratory (48)	Tue	8:00 - 10:20	ASB9896	Majid Shokoufi	
Tentative	LA03	Laboratory (48)	Thu	8:00 – 10:20	ASB9896	Majid Shokoufi	
#5944							
ENSC 316	E a alta a						
ENSC 510	-	eering Electromag TH 251 and (ENSC 220 or M	• •				
#5960	-		• •	10:30 – 12:20	SSC9500	Bernhard Rabus	
	REQ- MA	TH 251 and (ENSC 220 or N	1SE 250). Tue/Thu	of tutorial will occur with		Bernhard Rabus Bernhard Rabus	
#5960	REQ- MA D100 D101 Electro	TH 251 and (ENSC 220 or M Lecture Tutorial Dnic Devices (3)	ISE 250). Tue/Thu One weekly hour the scheduled lec	of tutorial will occur with ture time	in		ther
#5960 #5961	REQ- MA D100 D101 Electro REQ- (EN:	TH 251 and (ENSC 220 or M Lecture Tutorial Dnic Devices (3)	ISE 250). Tue/Thu One weekly hour the scheduled lec	of tutorial will occur with ture time	in	Bernhard Rabus	ther
#5960 #5961 ENSC 324	REQ- MA D100 D101 Electro REQ- (EN: credit.	TH 251 and (ENSC 220 or M Lecture Tutorial Dnic Devices (3) SC 220 or MSE 250), MATH	ISE 250). Tue/Thu One weekly hour the scheduled lec 232, and MATH 31	of tutorial will occur with ture time 0. Students with credit fo	in r ENSC 224 or PHY	Bernhard Rabus S 365 may not take ENSC 324 for furt	ther
#5960 #5961 ENSC 324 #5953	REQ- MA D100 D101 Electro REQ- (EN: credit. D100	TH 251 and (ENSC 220 or M Lecture Tutorial Onic Devices (3) SC 220 or MSE 250), MATH Lecture	ISE 250). Tue/Thu One weekly hour the scheduled lec 232, and MATH 31 Tue/Thu	of tutorial will occur with ture time 0. Students with credit fo 8:30 – 10:20	in r ENSC 224 or PHY WMC3260	Bernhard Rabus 5 365 may not take ENSC 324 for furt Shawn Sederberg	ther
#5960 #5961 ENSC 324 #5953 #7333	REQ- MA D100 D101 Electro REQ- (EN: credit. D100 D101 LA01 Digital	TH 251 and (ENSC 220 or M Lecture Tutorial Onic Devices (3) SC 220 or MSE 250), MATH Lecture Tutorial	ISE 250). Tue/Thu One weekly hour the scheduled lec 232, and MATH 31 Tue/Thu TBA TBA TBA	of tutorial will occur with ture time 0. Students with credit fo 8:30 – 10:20 TBA TBA	in r ENSC 224 or PHY WMC3260 TBA	Bernhard Rabus 5 365 may not take ENSC 324 for furt Shawn Sederberg Shawn Sederberg	ther
#5960 #5961 ENSC 324 #5953 #7333 #7334	REQ- MA D100 D101 Electro REQ- (EN: credit. D100 D101 LA01 Digital	TH 251 and (ENSC 220 or M Lecture Tutorial SC 220 or MSE 250), MATH Lecture Tutorial Required Lab	ISE 250). Tue/Thu One weekly hour the scheduled lec 232, and MATH 31 Tue/Thu TBA TBA TBA	of tutorial will occur with ture time 0. Students with credit fo 8:30 – 10:20 TBA TBA	in r ENSC 224 or PHY WMC3260 TBA	Bernhard Rabus 5 365 may not take ENSC 324 for furt Shawn Sederberg Shawn Sederberg	ther
#5960 #5961 ENSC 324 #5953 #7333 #7334 ENSC 350	REQ- MA D100 D101 Electro REQ- (EN: credit. D100 D101 LA01 Digital REQ-(ENS	TH 251 and (ENSC 220 or M Lecture Tutorial Onic Devices (3) SC 220 or MSE 250), MATH Lecture Tutorial Required Lab I Systems Design (C 215 and either ENSC 250 Lecture	ISE 250). Tue/Thu One weekly hour the scheduled lec 232, and MATH 31 Tue/Thu TBA TBA (4) For CMPT 250) or (E	of tutorial will occur with ture time 0. Students with credit fo 8:30 – 10:20 TBA TBA TBA	in r ENSC 224 or PHY WMC3260 TBA TBA	Bernhard Rabus 5 365 may not take ENSC 324 for furt Shawn Sederberg Shawn Sederberg Shawn Sederberg	ther
#5960 #5961 ENSC 324 #5953 #7333 #7334 ENSC 350 #6214	REQ- MAY D100 D101 Electro REQ- (ENS credit. D100 D101 LA01 Digital REQ- (ENS D100	TH 251 and (ENSC 220 or M Lecture Tutorial Difference (3) SC 220 or MSE 250), MATH Lecture Tutorial Required Lab I Systems Design (SC 215 and either ENSC 250 Lecture Lecture Lecture	ISE 250). Tue/Thu One weekly hour the scheduled lec 232, and MATH 310 Tue/Thu TBA TBA TBA (4) or CMPT 250) or (E Wed	of tutorial will occur with ture time 0. Students with credit fo 8:30 – 10:20 TBA TBA XBA NSC 252 and ENSC 254) 8:30 – 10:20	in r ENSC 224 or PHY WMC3260 <i>TBA TBA</i> AQ3153	Bernhard Rabus S 365 may not take ENSC 324 for furt Shawn Sederberg Shawn Sederberg Shawn Sederberg Lakshman One	ther
#5960 #5961 ENSC 324 #5953 #7333 #7334 ENSC 350 #6214 #6215	REQ- MA D100 D101 Electro REQ- (EN: credit. D100 D101 LA01 Digital REQ-(ENS D100 D101	TH 251 and (ENSC 220 or M Lecture Tutorial Difference (3) SC 220 or MSE 250), MATH Lecture Tutorial Required Lab I Systems Design (SC 215 and either ENSC 250 Lecture Lecture Lecture Tutorial	ISE 250). Tue/Thu One weekly hour the scheduled lec 232, and MATH 31 Tue/Thu TBA TBA TBA (4) or CMPT 250) or (E Wed Fri	of tutorial will occur with ture time 0. Students with credit fo 8:30 – 10:20 <i>TBA</i> <i>TBA</i> NSC 252 and ENSC 254) 8:30 – 10:20 8:30 – 10:20 <i>TBA</i>	in r ENSC 224 or PHY WMC3260 <i>TBA</i> <i>TBA</i> AQ3153 AQ3005 <i>TBA</i>	Bernhard Rabus S 365 may not take ENSC 324 for furt Shawn Sederberg Shawn Sederberg Shawn Sederberg Lakshman One Lakshman One	ther
#5960 #5961 ENSC 324 #5953 #7333 #7334 ENSC 350 #6214	REQ- MAY D100 D101 Electro REQ- (ENS credit. D100 D101 LA01 Digital REQ- (ENS D100	TH 251 and (ENSC 220 or M Lecture Tutorial Difference (3) SC 220 or MSE 250), MATH Lecture Tutorial Required Lab I Systems Design (SC 215 and either ENSC 250 Lecture Lecture Lecture	ISE 250). Tue/Thu One weekly hour the scheduled lec 232, and MATH 31 Tue/Thu TBA TBA (4) or CMPT 250) or (E Wed Fri TBA	of tutorial will occur with ture time 0. Students with credit fo 8:30 – 10:20 <i>TBA</i> <i>TBA</i> NSC 252 and ENSC 254) 8:30 – 10:20 8:30 – 10:20	in r ENSC 224 or PHY WMC3260 <i>TBA</i> <i>TBA</i> AQ3153 AQ3005	Bernhard Rabus S 365 may not take ENSC 324 for furt Shawn Sederberg Shawn Sederberg Shawn Sederberg Lakshman One Lakshman One Lakshman One	ther

SIMON FRASER UNIVERSITY

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UNDERGRADUATE COURSE SCHEDULE: FALL SEMESTER 2022

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.

	nours/unit	s. students with credit for		rentiy enrolled in ENSC 43	51/1013E 450 Calling				
#5930	D100	Lecture	Tue/Thu	14:30 - 16:20	WMC3260	Brian Fraser			
#5964	D101	Tutorial	TBA	TBA	TBA	Brian Fraser			
#5937	LA01	Laboratory (45)	Mon	16:30 – 20:20	ASB8800	Brian Fraser			
#5938	LA02	Laboratory (45)	Tue	16:30 - 20:20	ASB8800	Brian Fraser			
#5950	LA03	Laboratory (45)	Wed	16:30 - 20:20	ASB8800	Brian Fraser			
#6200	LA04	Laboratory (45)	Thu	16:30 - 20:20	ASB8800	Brian Fraser			
ENSC 370		dical Engineering	•						
#6222	D100	Lecture	Fri	14:30 - 16:20	AQ5020	Andrew Rawicz			
#5955	D101	Tutorial	Wed	14:30 - 16:20	AQ2120	Andrew Rawicz			
	0101	latorial							
ENSC 380		Systems (3) 180, 220 (or MSE 250) an	d MATH 310. Stude	nts with credit for MSE 28	30 may not take El	NSC 380 for further credit.			
#5951	D100	Lecture	Tue/Thu	12:30 - 14:20	SSC9002	Atousa Hajshirmohammadi			
#7335	D101	Tutorial	TBA	TBA	TBA	Atousa Hajshirmohammadi			
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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.							
#5954	D100	Lecture	Wed/Fri	10:30 - 12:20	AQ5016	Shervin Jannesar			
#7336	LA01	Required Lab	TBA	TBA	TBA	Shervin Jannesar			
ENSC 424	Multim	iedia Communica	ations Engine	ering (4)					
	REQ-ENSO	C 380 or MSE 280, with a	a minimum grade o	f C- and a minimum of 8	0 units.				
#5952	D100	Lecture	Wed/Fri	8:30 - 10:20	AQ3149	Jie Liang			
#5952			•			Jie Liang			
#5950	D101 Tutorial One weekly hour of tutorial will occur within Jie Liang the scheduled lecture time								
			the scheduled lecti	ure ume					
ENSC 440	ENSC 405W		atically enrolled in E			s successful completion of ENSC eir option.			
#5958	D100	Lecture	Wed	16:30 - 18:20	BLU10921	Andrew Rawicz			
ENSC 453				mputing Systems ss. REQ- ENSC 350 and El		URSE IS COMBINED WITH ENSC 894			
#7388	D100	Lecture	Wed/Fri	10:30 - 12:20	BLU10921	Zhenman Fang			
#7389	LA01	Laboratory	Fri	14:30 - 16:20	ASB 8836	Zhenman Fang			
			ГП						
ENSC 462	This course	lical Microdevice e introduces students to m D WITH ENSC 859 G100.	-	•••	biology, chemistry	and medicine. THIS COURSE IS			
#7788	D100	Lecture	Tue	12:30 – 14:20	SWH10051	Bonnie Gray			
π7700	0100		Tue	12.30 - 14.20		Bonnie Gray			

Thu

12:30 - 14:20

BLU11911

Bonnie Gray

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ENSC 477

Biomedical Image Acquisition (4) REQ-(ENSC 380 or MSE 280) with a minimum grade of C- 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.

#6003	D100	Lecture	Tue	14:30 - 16:20	WMC2503	Teresa Cheung
			Thu	14:30 - 16:20	AQ5006	Teresa Cheung
#7337	D101	Tutorial	TBA	TBA	TBA	Teresa Cheung
#7339	LA01	Laboratory	TBA	TBA	TBA	Teresa Cheung

TEKX101 3D Printing Technologies (3)

Students will learn the basic concepts of 3D printing, computer design tools, and the use of 3D scanners to make replicas of existing objects. Students will complete several 3D printed projects within the course. Quantitative/Breadth-Science.

#6019	D100	Lecture	Fri	12:30 - 14:20	WMC3510	Juan Ferrer
	D101	Tutorial	Fri	14:30 - 15:20	WMC2507	Juan Ferrer