

TERM 6 - CLASS OF 2025 - Fall 2023**All Majors - Complementary Studies**

SUBJ	Course Number	Section	Course Name	Instructor
ENGI	4102	081	Engineering Economics (Distance)	Shekari, E
ENGI	8104	081	Critical Thinking about Tech, Sci and Engi	Rosales, J
ENGI	8151	081	Technology, Sustainable Society & Int'l Devlpmt.	Hashemi, J

CIVIL

SUBJ	Course Number	Section	Course Name	Instructor
	See offerings		Complementary Studies Course	
CIV	6470	001	Thermal Sciences	Mann, G
CIV	6330	001	Structural Analysis I	Dhar, A
CIV	6520	001	Design of Concrete and Masonry Structures	Hussein, A
CIV	6120	001	Hydraulics	Abdel-Razek, A.
CIV	6810	001	Construction Planning Equipment and Methods	Hussein, A

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Computer

SUBJ	Course Number	Section	Course Name	Instructor
	See offerings		Complementary Studies Course	
ECE	6500	001	Computer Architecture	Karami, E.
ECE	6600	001	Communication Principles	Wanasinghe, T
ECE	6610	001	Communication Networks	Song, Y
ECE	6400	001	Software development practice	Shahidi, R

Choose 1 from the following technical electives or subject to approval by Department Head:

COMP	3401	001	Introduction to Data Mining	
COMP	3200	001	Algorithmic Techniques for AI	
ECE	6200	001	Industrial Controls and Instrumentation	Masek, V
PROC	6202	001	Offshore Petroleum Geology and Technology	Butt, S

Students in the Biomedical Stream:

HKR	2311		Intro to Anatomy and Physiology (Distance)	
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Electrical

SUBJ	Course Number	Section	Course Name	Instructor
	See offerings		Complementary Studies Course	
ECE	6700	001	Electromagnetic Fields	Huang, W
ECE	6800	001	Rotating Machines	Wanasinghe, T
ECE	6200	001	Industrial Controls and Instrumentation	Masek, V
ECE	6600	001	Communication Principles	Wanasinghe, T

Choose 1 from the following technical electives or subject to approval by Department Head:

ECE	6810	001	Power Electronics	Jamil, M
ECE	6610	001	Communication Networks	Song, Y
PROC	6202	001	Offshore Petroleum Geology and Technology	Butt, S

Students in the Biomedical Stream:

HKR	2311		Intro to Anatomy and Physiology (Distance)	
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Mechanical

SUBJ	Course Number	Section	Course Name	Instructor
	See offerings		Complementary Studies Course	
Required courses for ALL Mechanical students				
ME	6403	001	Heat Transfer I	Muzychka Y.
ME	6701	001	Computer Aided Engineering Applications	De Silva O.
ME	6702	001	Mechanical Component Design I	Yang J.
ME	6303	001	Mechanical Vibrations	Rideout G.
ME	6202	001	Control Systems I	Mann G.

In addition to the above courses, Petroleum and Biomedical Streams students must take one additional course.

Petroleum Technical Stream students only

PROC	6202	001	Offshore Petroleum Geology and Technology	Butt, S
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Biomedical Stream students only

HKR	2311		Introduction to Anatomy and Physiology (Distance)	
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ONAE

SUBJ	Course Number	Section	Course Name	Instructor
	See offerings		Complementary Studies Course	
ONAE	6002	001	Ship Structures I	Daley, C.
ONAE	6005	001	Floating Ocean Structures Design	Peng H.
ONAE	6036	001	Dynamics of Ocean Vehicles	Peng H.
ONAE	6046	001	Marine Engineering Systems	Walker, D
ONAE	6055	001	Marine Cybernetics	Moro, L.

Process

SUBJ	Course Number	Section	Course Name	Instructor
	See offerings		Complementary Studies Course	
PROC	6025	001	Process Modelling and Analysis	Azargohar, R.
PROC	6031	001	Chemical Reaction Engineering	Zendehboudi, S.
PROC	6061	001	Process Fluid Dynamics II	Zendehboudi, S.
PROC	6071	001	Process Equipment Design II	Zhang, Yan
			Choose one of the following	
PROC	6202	001	Offshore Petroleum Geology and Technology	Butt, S
PROC	6151	001	Sustainable Engineering in Processing Industries	Azargohar, R