

TERM 6 - CLASS OF 2026 - Fall 2024

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

Computer

SUBJ	Course Number	Section	Course Name	Instructor
See offerings				
Complementary Studies Course				
ECE	6500	001	Computer Architecture	TBD
ECE	6600	001	Communication Principles	Huang, W.
ECE	6610	001	Communication Networks	TBD
ECE	6400	001	Software development practice	TBD

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)

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	Masek, V
ECE	6200	001	Industrial Controls and Instrumentation	Masek, V
ECE	6600	001	Communication Principles	Huang, W

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	TBD
PROC	6202	001	Offshore Petroleum Geology and Technology	Butt, S

Students in the Biomedical Stream:

HKR 2311 Intro to Anatomy and Physiology (Distance)

Mechatronics

SUBJ	Course Number	Section	Course Name	Instructor
ECE	6810	001	Power Electronics	Jamil, M
ECE	6610	001	Communications Network	TBD

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	Zou, T.

In addition to the above courses, Biomedical Stream students must take one additional course.

Biomedical Stream students only

HKR 2311 Introduction to Anatomy and Physiology (Distance)

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	Hawboldt, K.
PROC	6061	001	Process Fluid Dynamics II	Zendeboudi, 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