Non-GE courses

Course Code	Course Title	Acad Unit	Col/Sch	Level	Credit units	Category	M1	M2	M3	M4	A1	A2	A3	Exclusive courses	Prerequisites	Precursors
EF3040	Economics of Environment	EF	CB	B3	3	Economic and Policy		*			*			SEE3002, GE1205, POL3240	Nil	Nil
POL3204	Ethics and Public Policy	POL	CLASS	B3	3	Economic and Policy	*	*	*		*			SEE3001, AIS3203, GE3203, POL2225, POL3206, POL3942, POL3239	Nil	Nil
POL3206	Environmental Issues, Policy and Ethics	POL	CLASS	B3	3	Economic and Policy	*	*	*		*			SEE3001, AIS3203, GE3203, POL2225, POL3942, POL3204, POL3239	Nil	Nil
POL3239	Sustainable Development and Climate Change	POL	CLASS	B3	3	Economic and Policy	*	*	*		*			SEE3001, AIS3203, GE3203, POL2225, POL3206, POL3204, POL3239	Nil	Nil
POL3240	Environmental Policy and Economics	POL	CLASS	B3	3	Economic and Policy	*	*			*			SEE3002, GE1205, EF3040	Nil	Nil
POL3242	Business and the Environment	POL	CLASS	B3	3	Economic and Policy	*	*			*			AIS2321, AIS3054, AIS3321, AIS4321, CB3302, GE1225, GE2204, MGT3304, MGT3305, GE2220	Nil	Nil
POL3942	Environmental Policy and Ethics	POL	CLASS	B3	3	Economic and Policy	*	*	*		*			SEE3001, AIS3203, GE3203, POL2225, POL3206, POL3204, POL3239	Nil	Nil
SEE3001	Energy and Environmental Policy	SEE	SEE	B3	3	Economic and Policy	*	*	*		*	*		POL3942, AIS3203, GE3203, POL2225, POL3206, POL3204, POL3239	Nil	Nil
LW3956	Environment and Law	SLW	SLW	B3	3	Economic and Policy	*	*	*	*	*	*		LW4625	Nil	Nil
CA4174	Sustainable Architectural Design and Development	CA	CENG	B4	3	Environmental and Technical		*	*	*		*	*	CA2418, CA2745, CA3172, CA3666, GE2329, CA4423, CA4728, GE2327, POL4506, SEE3103	Nil	Nil
CHEM3055	Green Chemistry	CHEM	CSCI	B3	3	Environmental and Technical	*	*	*			*		Nil	CHEM2006, CHEM2007, CHEM2008	Nil
CHEM4021	Environmental Pollution	CHEM	CSCI	B4	4	Environmental and Technical		*				*		CHEM2005, CHEM2005A, CHEM4022	Nil	CHEM2067
CHEM4021A	Environmental Pollution	CHEM	CSCI	B4	3	Environmental and Technical		*				*		CHEM2005, CHEM2005A, CHEM4022	Nil	CHEM1002 or CHEM2067 or BMS1801 or CHEM1807
CHEM4023	Biological Treatment of Wastes	CHEM	CSCI	B4	4	Environmental and Technical		*				*		CHEM4034, SEE4217	Nil	Nil
CHEM4023A	Biological Treatment of Wastes	CHEM	CSCI	B4	3	Environmental and Technical		*				*		CHEM4034, SEE4217	Nil	Nil
CHEM4034	Environmental Control and Wastes Treatment	CHEM	CSCI	B4	4	Environmental and Technical		*				*		CHEM4023, CHEM4023A, SEE4217	Nil	Nil
CHEM4039	Environmental Conservation and Resources Management	CHEM	CSCI	B4	4	Environmental and Technical	*	*	*	*	*			Nil	Nil	Nil
CHEM4039A	Environmental Conservation and Resources Management	CHEM	CSCI	B4	3	Environmental and Technical	*	*	*	*	*			Nil	Nil	Nil
MNE4046	Green Industrial Systems	MNE	CENG	B4	3	Environmental and Technical	*	*	*			*		CHEM4040, CHEM4040A, SEE4004	Students must complete a minimum of 45 CUs to be eligible	Nil
MSE4176	Energy Materials for the Current Century	MSE	CENG	B4	3	Environmental and Technical		*	*			*	*	GE1308, GE2306, SEE3104, SEE4104, SEE4117, SEE4118, SEE4112	Nil	Nil
SEE3104	Sustainable and Renewable Energy	SEE	SEE	B3	3	Environmental and Technical		*		*	*	*		GE1308, MSE4176, GE2306, SEE4104, SEE4117, SEE4118, SEE4112	SEE3101	SEE3102, SEE3103
SEE4112	Sustainable Engineering Systems: Modelling and Analysis	SEE	SEE	B4	3	Environmental and Technical		*		*	*	*		GE1308, MSE4176, GE2306, SEE3104, SEE4104, SEE4117, SEE4118	SEE3101, SEE3103	Nil
SEE4114	Bioenergy Engineering: Principles and Applications	SEE	SEE	B4	3	Environmental and Technical		*		*	*	*		Nil	CHEM1200, SEE3101	SEE3104 or SEE4104
SEE4116	Energy and Carbon Auditing	SEE	SEE	B4	3	Environmental and Technical		*		*	*	*		Nil	Nil	SEE3103
SEE4117	Solar Energy Engineering	SEE	SEE	B4	3	Environmental and Technical		*		*	*	*		GE1308, MSE4176, GE2306, SEE3104, SEE4118, SEE4112	SEE2101	Nil
JC4046	Green Industrial Systems	SEEM	CENG	B4	3	Environmental and Technical	*	*	*			*		CHEM4040, CHEM4040A, SEE4004	Students must complete a minimum of 45 CUs to be eligible	Nil
AIS3201	Energy, Environment, and the Future: Crisis and Opportunity	AIS	CLASS	B3	3	Social and Cultural	*	*			*			SS4585, AIS4071, AIS4124, GE2206, GE2303, POL2222, POL2223, POL3100	Nil	Nil
AIS4071	Globalisation and the Environment	AIS	CLASS	B4	3	Social and Cultural	*	*				*		SS4585, AIS3201, AIS4124, GE2206, GE2303, POL2222, POL2223, POL3100	Nil	Nil
AIS4124	Globalization and the Environment	AIS	CLASS	B4	3	Social and Cultural	*	*				*		SS4585, AIS3201, AIS4071, GE2206, GE2303, POL2222, POL2223, POL3100	Nil	Nil
EE3012	Engineers in Society	EE	CENG	B3	3	Social and Cultural		*	*	*		*		SEE4001, MSE3101, EE3013, EE3014	At least 69 CUs of the Major Requirement, College Requirement and College-specified GE Courses have been completed. At least 43 CUs (for Advanced Standing I) / 40 CUs (for Advanced Standing II) of the Major Requirement have been completed.	Nil
SM3138	Creative City and Urban Critique	SCM	SCM	A2, B3	3	Social and Cultural		*	*	*	*	*		Nil	Nil	Nil
SM3703	Media Art and the Environment	SCM	SCM	A2, B3	3	Social and Cultural		*	*	*	*	*	*	Nil	Nil	Nil
SM3726	Sustainable Art and Design	SCM	SCM	B3	3	Social and Cultural		*	*	*	*	*		Nil	Nil	Nil
SS4585	Social Capital and Sustainable Development	SS	CLASS	B4	3	Social and Cultural	*	*			*	*		AIS3201, AIS4071, AIS4124, GE2206, GE2303, POL2222, POL2223, POL3100	Nil	Nil

GE courses

Course Code	Course Title	Acad Unit	Col/Sch	Level	Credit units	Category	M1	M2	M3	M4	A1	A2	A3	Exclusive courses	Prerequisites	Precursors
GE1205	Green Economics	EF	CB	B1	3	Economic and Policy	*	*	*	*	*	*		SEE3002, EF3040, POL3240	Nil	Nil
GE2220	Sustainable Business: Doing Good Business While Doing Good	MKT	CB	B2	3	Economic and Policy	*	*	*	*	*	*		AIS2321, AIS3054, AIS3321, AIS4321, GE1225, GE2204, MGT3304, MGT3305, POL3242	Nil	Nil
GE2329	Green Buildings: Discovery and Innovations	BST	CENG	A2, B2	3	Environmental and Technical	*	*	*			*	*	CA2418, CA2745, CA3172, CA3666, CA4174, CA4423, CA4728, GE2327, POL4506, SEE3103	Nil	Nil
GE1333	Low Carbon Footprint-Energy Saving Practices in Everyday Life	CA	CENG	B1	3	Environmental and Technical		*	*			*	*	Nil	Nil	Nil
GE2327	Green and Intelligent Buildings	CA	CENG	B2	3	Environmental and Technical	*	*	*			*	*	CA2418, CA2745, CA3172, CA3666, CA4174, CA4423, CA4728, GE2329, POL4506, SEE3103	Nil	Nil
GE2252	Transport and Development	CA	CENG	B2	3	Environmental and Technical		*	*	*		*		POL3232	Nil	Nil
GE2321	Health, Safety and Environment	MNE	CENG	B2	3	Environmental and Technical		*	*	*	*			Nil	Nil	Nil
GE2306	Energy and Technology	MSE	CENG	A2, B2	3	Environmental and Technical		*	*			*	*	GE1308, MSE4176, SEE3104, SEE4104, SEE4117, SEE4118, SEE4112	Nil	Nil
GE1337	Urban Green City: Pollution and Solution	SEE	SEE	B1	3	Environmental and Technical	*	*		*	*	*		GE2330, POL2528	Nil	Nil
GE2303	Save the Earth: Sustainable Development	CA	CENG	B2	3	Social and Cultural	*	*	*		*			SS4585, AIS4071, AIS4124, AIS3201, GE2206, POL2222, POL2223, POL3100	Nil	Nil
GE1339	Wireless Connectivity in Modern Society	EE	CENG	B1	3	Social and Cultural	*	*	*	*	*			Nil	Nil	Nil

Last modified on 15 Sep 2020

M1	identify the ethical aspects of sustainability
M2	realize the interdisciplinary nature of sustainability
M3	develop processes to integrate different themes of sustainability
M4	apply what have learnt about sustainability to the real world

A1	Attitude - Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.
A2	Ability - Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to real-life problems.
A3	Accomplishments - Demonstrate accomplishments of discovery/innovation/creativity through producing/constructing creative works/new artefacts, effective solutions to real-life problems or new processes.