ENVIRONMENTAL ENGINEERING TRANSFER, AS
OSU ADVISING GUIDE

Prerequisites and Course Availability per Term

(for complete information, see 2016-2017 UCC Catalog) **REVISED 11/20/16**

	UCC Course No.	UCC Course Name	Term Offered F	W	S	S	Credits	Prerequisites/Notes		OSU Course No.	Credits
Term 1	CH 221[E, 2]	General Chemistry I /Lec/Lab/Rec	x				5	MTH 111		CH 201 / CH 231 Lec & CH 261 Lab	4
	DRF 112	Computer Aided Drafting (CAD) I	x				3	MTH 65		CCE 201	3
	ENGR 111	Engineering Orientation I	x				3	MTH 65		CBEE 101	2
	MTH 251[E, 2]	Calculus I	x	x			5	MTH 112		MTH 251	4
	WR 121[E, 2]	English Composition: Intro to Argument	x	x	x	x	4	WR 115 or Placement Test	20	WR 121	3
Term 2	CH 222	General Chemistry II		x			5	CH 221		CH 202+CH 205 Lab / CH 232 Lec & CH 262 Lab	4
	HPE 295	Wellness & Health	x	x	x	x	3			HHS 231 & HHS 241	3
	ENGR 112[E, 2]	Engineering Orientation II		x			3	ENGR 111		CBEE 102	3
	MTH 252[E, 2]	Calculus II		x	x		4	MTH 251		MTH 252	4
									15		
Term 3	Perspectives[5]	General Ed Req - See Advisor	x	x	x	x	3	Perspectives Elective		Perspectives Elective - See OSU General Ed Req	3
	CH 223	General Chemistry III		x			5	CH 221		CH 233 Lec & CH 263 Lab	4
	MTH 253[E, 2]	Calculus III			x		4	DRF 112 CAD I		UCC MTH 253 & MTH 261 = OSU MTH 306	4
	MTH 261[E, 2]	Linear Algebra			x		2	MTH 111 Algebra		See note above for MTH 306	0
	Perspectives[5]	General Ed Req - See Advisor	x	x	x	x	3	Perspectives Elective	17	Perspectives Elective - See OSU General Ed Req	3
Summer											
Term 4	G 221	Environmental Geology	x				4			GEO 221	3
	ENGR 211[E, 2]	Statics	x				4	MTH 112		ENGR 211	3
	MTH 254[E, 2]	Vector Calculus I	x				4	MTH 252		MTH 254	4
	PH 211[E, 2]	Physics I w/Calculus	x				5	MTH 251 Co-requisite		PH 211 & PH 221 Rec	4
	CH 241[3]	Organic Chemistry	x				4	CH 223	21	OSU CH 331	4
Term 5	CH 242[3]	Organic Chemistry		x			4	CH 242		OSU CH 332	4
	MTH 256[E, 2]	Differential Equations		x			4	MTH 252		MTH 256	4
	PH 212[E, 2]	Physics II w/Calculus		x			5	PH 211		PH 212 & PH 222 Rec	4
	ENGR 212[E, 2]	Dynamics		x			4	ENGR 211		ENGR 212	4
									17		
Term 6										Perspectives Elective - See OSU General Ed Req	3
	SP 111[E, 2]	Public Speaking	x	x	x		4	WR 095		COMM 111	3
	PH 213[E, 2]	Physics III w/Calculus			x		5	PH 212		PH 213 & PH 223 Rec	4
	WR 227	Technical Report Writing	x	x	x	x	4	WR 222		WR 327	3
	ENGR 213	Strength of Materials			x		4	ENGR 211	17	ENGR 213	4
	TOTAL DEGREE CREDITS						107				95

*A grade of "C" or better is required in all courses.

Program Advisor:

NOTES:

1. This is a rigorous degree program and may take a minimum of 5 years to complete. Transfer students typically take 3 years of course work at OSU. Meeting with Advisor early and development of term x term planner is important
2. [E]Required by OSU College of Engineering for entry into the Pro Program
3. UCC CH 241 & 242 Organic Chemistry courses are equivalent to OSU CH 331 & 332 Organic Chemistry. There are several alternatives for taking these courses. Students at UCC for 3 years could take at UCC. OSU GEO 221 could be taken during 3rd year at OSU. Another option is to take CH 331 & 332 at OSU for students that will be at OSU for 3 years. See Advisor.
4. OSU offers CBEE 280(6 credits) online during summer quarter with OSU advisor approval. CBEE 280 is the online equivalent of CBEE 211 and CBEE212.
5. Students can take 5 Perspective Electives for Humanties/Social Science at UCC that tranfer to OSU as General Ed requirements. See Advisor. Link to OSU/UCC General Ed Transfer for Bac Core Courses is http://admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-umpqua-community-college
6. UCC BI 234 MicroBiology will transfer as OSU BI 230 MicroBiology
7. UCC students can transfer up to 124 credits (OSU transfer equivalencies)

ENVIRONMENTAL ENGINEERING (192 credits) - Revised 7/26/2016

Cr.	First Year = 47 credits			Second Year = 49 credits			Third Year = 49 credits			Fourth Year = 47 credits		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
1	Chemistry CH 231 (4F)	Chemistry **CH 232 (4W)	Chemistry CH 233 (4S)	Organic Chemistry CH 331 (4F)	Organic Chemistry CH 332 (4W)	GEO 221 (3S)	Transport I (Fluids) CHE 331 (4F)	Transport II ChE 332 (3W)	Tech Writing WR 327 (3FWS)	W & WW I ENVE 421 (4F)	W & WW II ENVE 422 (4W)	Sust Water Resources ENVE 456 (3S)
2												
3												
4						Dynamics ENGR 212 (3FWS)		Persp #3 (3FWS)	Transport III CHE 333 (3S)			Air Poll Control ENVE 425 (3S)
5	CH Lab 261 (1)	CH Lab 262(1)	CH Lab 263 (1)	Matrix Power Series MTH 306 (4FWS)	Diff Eqs MTH 256 (4FWS)		Thermo Prop. CHE 311 (3 FWS)			Bioreactors I BIOE 457 (3F)	Fate & Transport ENVE 431 (4W)	
6	Diff Calc MTH 251 (4FWS)	Integral Calculus MTH 252 (4FWS)	Vector Calculus MTH 254 (4FWS)			Strength of Materials ENGR 213 (3FWS)		Hydraulic CE 313 (4W) or Geotechnical CE 372 (4W)	Transport Lab CHE 334 (2S)			Synthesis #1 (3FWS)
7												
8							Engr Ethics CBEE 320 (3W)			Enve Lab CBEE 414^ (3F)	Enve Lab ENVE 415 (3W)	
9				Physics PH 212 (4FW)	Physics PH 213 (4WS)				General Microbiology MB 230 (4FWS)			
10	Orientation CBEE 101 (3F)	Engr Comp CBEE 102 (3W)	Physics PH 211 (4FS)			Process Analysis CBEE 213 (4S)						Synthesis #2 (3FWS)
11							Graphics & Design CCE 201 (3F)	Intro EnvE ENVE 322 (4W)		Persp #5 (3FWS)		
12												
13	Eng Comp WR 121 (3FWS)	COMM 111/114 (3FWS)		Material Balances CBEE 211 (3F)	Energy Balances CBEE 212 (3W)				Hydrology CE 412 (4WS)		Engineering Elective (4FWS)	Capstone Design ENVE 490 (4S)
14			Life Fitness HHS 231			Persp #1 (3FWS)	Persp#2 (3FWS)			Engineering Elective (3FWS)		
15								Persp #4 (3FWS)				
16			HHS 241-251 or PAC (1)	Statics ENGR 211 (3FWS)								
17												
18												

Available at UCC

^ WIC F,W,S = Multiple terms in which same course is offered
ONLY PERSPECTIVE, SYNTHESIS, HHS and PAC can be taken with S/U grading

course required for entrance to professional school (and used for pre-GPA calculation)