

NUCLEAR ENGINEERING TRANSFER, AS OSU ADVISING GUIDE

Prerequisites and Course Availability per Term
(for complete information, see 2016-2017 UCC Catalog)

REVISED 12/06/16

	UCC Course No. and Course Name	Term Offered				Credits	Prerequisites/Notes	OSU Course No.	Credits	
		F	W	S	S					
Term 1	CH 221 ^E	General Chemistry I /Lec/Lab/Rec	x				5	MTH 111	CH 201 / CH 231 Lec & CH 261 Lab	3/4
	ENGR 111	Engineering Orientation I	x				3	MTH 65	NSE 114	3
	MTH 251 ^E	Calculus I	x	x			5	MTH 112	MTH 251	4
	WR 121 ^E	English Composition: Intro to Argument	x	x	x	x	4	WR 115 or Placement Test	WR 121	3
									17	
Term 2	CH 222	General Chemistry II		x			5	CH 221	CH 202+CH 205 Lab / CH 232 Lec & CH 262 Lab	4
	ENGR 112 ^E	Engineering Orientation II		x			3	ENGR 111	NSE 115	3
	MTH 252 ^E	Calculus II		x	x		4	MTH 251	MTH 252	4
	HPE 295	Wellness & Health	x	x	x	x	3		HHS 231 & HHS 241	3
	Perspectives	General Ed Req - See Advisor	x	x	x	x	3		Perspectives Elective - See Advisor	3
									18	
Term 3	Perspectives	Biological Science With Lab			x		4		Biological Science Elective	4
	ENGR 245	Engineering Graphics			x		3		ENGR 248	3
	MTH 253 ^E	Calculus III			x		4		UCC MTH 251 & MTH 261 = OSU MTH 306	4
	MTH 261 ^E	Linear Algebra			x		2	MTH 111 Algebra	See note above for MTH 306	
	SP 111 ^E	Public Speaking	x	x	x		4	WR 095	COMM 111	3
									17	
Summer										
Term 4	ENGR 201	Electrical Fundamentals I	x				4	MTH 251 Co-requisite	ENGR 201	3
	ENGR 211 ^E	Statics	x				4	MTH 112	ENGR 211	3
	MTH 254 ^E	Vector Calculus I	x				4	MTH 252	MTH 254	4
	PH 211 ^E	Physics I w/Calculus	x				5	MTH 251 Co-requisite	PH 211 & PH 221 Rec	4
										17
Term 5	PHL 202	Ethics		x			3		PHL 205 - Perspectives - Western Culture	3
	ENGR 212 ^E	Dynamics		x			4	ENGR 211	ENGR 212	3
	MTH 256 ^E	Differential Equations		x			4	MTH 252	MTH 256	4
	PH 212 ^E	Physics II w/Calculus		x			5	PH 211	PH 212 & PH 222 Rec	4
										16
Term 6	ENGR 213	Strength of Materials			x		4	ENGR 211	ENGR 213	4
	Perspectives	General Ed Req - See Advisor	x	x	x	x	3		Perspectives Elective - See Advisor	3
	PH 213 ^E	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
									16	
TOTAL DEGREE CREDITS						101				

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

Program Advisor:

NOTES:

1. ^ERequired by OSU College of Engineering for entry into the Pro Program
2. Recommend student take DRF 112 CAD I (AutoCAD) during all fall quarter of Year 1. Does not transfer to OSU NE program, however, Autocad courses may increase opportunities for paid summer internship and acceptance into MECOP, and help with ENGR 245 (SolidWorks).
3. Students can take 5 Perspective Electives for Humanities/Social Science that transfer 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>
4. NSE 234, NSE 235, and NSE 236 are only available at OSU on campus. These courses are not available online.
Although these courses are not required for Pro-School application, the courses are pre-requisites for some junior level courses in the NE program.
UCC NE transfer students will require three years after transfer to OSU to complete degree. See Advisor. OSU 4-year plan is attached.
5. OSU MTH 314 (UCC MTH 265) is not required at OSU for Nuclear Engineering majors

**Nuclear Engineering
Four Year Plan**

FALL Year 1	Credits	WINTER Year 1	Credits	SPRING Year 1	Credits
MTH 251 @	4	MTH 252 @	4	MTH 254 @	4
WR 121 @	3	COMM 111 or 114 @	3	Perspective	3
NSE 114	3	NSE 115 @	3	PHL 205	4
CH 201@	3	CH 202	3	PH 211 @	4
		HHS 231/PAC	3		
Term	13	Term	16	Term	15
CUM	13	CUM	29	CUM	44
FALL Year 2	Credits	WINTER Year 2	Credits	SPRING Year 3	Credits
ENGR 211 @	3	ENGR 213	3	ENGR 212 @	3
NSE 234	3	NSE 235	3	NSE 236	4
PH 212 @	4	PH 213 @	4	NSE 233	3
MTH 256 @	4	MTH 306 @	4	ENGR 201	3
				Perspective	3
Term	14	Term	14	Term	16
CUM	58	CUM	72	CUM	88
FALL Year 3	Credits	WINTER Year 3	Credits	SPRING Year 3	Credits
NSE 451	3	NSE 452	3	NSE 332	4
NSE 311	4	NSE 312	4	ENGR 248	3
WR 327	3	NSE 331	4	Synthesis	3
ENGR 390	3	MATS 321	4	Perspectives	3
Perspective	3			Biological Sci	4
Term	16	Term	15	Term	17
CUM	104	CUM	119	CUM	136
FALL Year 4	Credits	WINTER Year 4	Credits	SPRING Year 4	Credits
NSE 473	3	NSE 474	4	NSE 475	4
NSE 467	4	NSE 407	1	NSE 457	2
NSE 481	4	Synthesis	3	NSE 435	4
NSE 415	2	Free Elective	5	NSE 407	1
NSE 407	1	Restricted Elective	3	Restricted Elective	3
Term	14	Term	16	Term	14
CUM	150	CUM	166	CUM	180
DATE: _____					

@ Required for proschool