

**Schedule A
PROGRAMS**

Please note that Schedule A may be revised as necessary to reflect curriculum changes.

UNO Program(s) Requirements:

Electrical Engineering

Civil Engineering

Defiance Program Requirements

Mathematics



Four-Year Degree Plan				Catalog: 21-22		
Major:		Mathematics	Major 2:			
Concentration:			Minor:			
Concentration 2:			Credits:		120	
Fall 2021		13	Spring 2022			17
FYE 100	College Engagement Seminar	2	MATH 201	Calculus I	4	
GLST 100	World Issues	3	ENGL 125	Composition I	3	
MATH 113	Trigonometry	2	HPM Gen Ed	Student Choice	3	
COMM 120	Introduction to Human Comm	3	Open Elective	Minor opt or MATH 115	3	
Open Elective	Student Choice	1	Open Elective	Student Choice	1	
			GEN 101	Jacket Journey	1	
Fall 2022		16	Spring 2023			17
MATH 202	Calculus II	4	BUS 212, PSY 233	Statistics Option	3	
MATH 330	Probability	3	MATH 203	Calculus III	4	
ENGL 225	Composition II	3	MATH Elective	History of Math	3	
Soc Sci Gen Ed	Student Choice	3	Creative Gen Ed	Student Choice	3	
Open Elective	Student Choice	1	Open Elective	Student Choice	1	
			GEN 201	Jacket Journey	1	
Fall 2023		14	Spring 2024			15
MATH 420	Real Analysis	4	MATH 301	Linear Algebra	4	
MATH Elective	Differential Equations	4	Science Gen Ed	Student Choice	4	
MATH 305	Discrete Mathematical Struct	3	Open Elective	Student Choice	3	
Open Elective	Student Choice	3	Open Elective	Student Choice	3	
			GEN 301	Jacket Journey	1	
Fall 2024		15	Spring 2025			13
MATH 402	Modern Abstract Algebra	4	MATH 498	Senior Capstone Project	3	
MATH 404	Modern Geometry	4	MATH Elective	Operations Research	3	
Open Elective	Student Choice	1	Open Elective	Student Choice	3	
Open Elective	Student Choice	1	Open Elective	Student Choice	3	
Open Elective	Student Choice	1	GEN 401	Jacket Journey	1	

- MATH 11
- MATH 20
- ENGL 125
- MATH 20
- MATH 33
- ENGL 225
- BUS 212,
- MATH 20
- MATH Elective
- MATH 30
- MATH 30

Indicates co- or sequential requirement.
In., H, or W indicates required of International Education or Honors.
Indicates choice of two required of major.
Indicates Math Elective for major.

Schedule B EQUIVALENCIES

UNO Program: BS in Electrical Engineering

Defiance Program: BA Mathematics

Block Transfer: Up to a maximum of 68 transfer credits*

*Transfer credit is subject to change as needed to accommodate curriculum change

Institution: Defiance College					Majors: Electrical Engineering				
First Year Fall					First Year Spring				
Course #	Course Name	Cr.	Taken	UND Equivalent (if any)	Course #	Course Name	Cr.	Taken	UND Equivalent (if any)
BUS 212	Business Statistics	3	DC		MATH 201	Calculus I	4	DC	MATH 165
CHEM 123	General Chemistry I	4	DC	CHEM 121/L????	ENGL 125	Composition I	3	DC	
COMM 120	Introduction to Human Comm	3	DC		HPM	Gen Ed Student Choice	3	DI	
FYE 100	College Engagement Seminar	2	DC		OP	Gen Ed Minor - Gen Ed MATH	1	DC	
GLST 100	World Issues	3	DC		GEN 101	Jacket Journey	1	DC	
MATH 113	Trigonometry	2	DC		EE 101	Intro to Electrical Engineering	1	UNO	
		17						IS	
Second Year Fall					Second Year Spring				
Course #	Course Name	Credits	Taken	UND Equivalent (if any)	Course #	Course Name	Cr.	Taken	UND Equivalent (if any)
MATH 202	Calculus II	4	DC	MATH 166	BUS 212, PSY 230	Statistics Option			
MATH 330	Probability	3	DC		MATH 203	Calculus III	4	IX	MATH 265
ENGL 225	Composition II	3	DC			Creative Gen Ed Student Choice			
BUS 260	Business Ethics	3	DC	ENGR 3340	GEN 201	Jacket Journey			
PHYS 251C	University Physics I (lecture)	3	UND		EE 201/L	Intro to Digital Electronics & Lab			
		16						15	
Third Year Fall					Third Year Spring				
Course #	Course Name	Credits	Taken	UND Equivalent (if any)	Course #	Course Name	Cr.	Taken	UND Equivalent (if any)
MATH 420	Real Analysis	4	DC		MATH 301	Linear Algebra	4	DC	MAJH201
MATH 310	Differential Equations (Math elective)	4	DC	MATH 266	GEN 301	Jacket Journey	1	DC	
MATH 305	Discrete Mathematical Structures	3	DC	Non-EE Elective	EE 313/L	Linear Electric Circuits & Lab I	4	UNO	
EE 206/L	Circuit Analysis & Lab I	4	UND		PHYS 252C	University Physics II (lecture)	3	UNO	DC Science with Gen Ed
EE304	Computer Aided Measurement and Control	3	UND						
		18						11	
Fourth Year Fall					Fourth Year Spring				
Course #	Course Name	Credits	Taken	UND Equivalent (if any)	Course #	Course Name	Cr.	Taken	UND Equivalent (if any)
MATH 402	Modern Abstract Algebra	4	DC	Non-EE Elective	MATH 498	Senior Capstone Project	3	DC	
MATH 404	Modern Geometry	4	DC		GEN 401	Jacket Journey	1	DC	
EE 314/L	Signals and Systems & Lab	4	UND		EE 409	Distributed Networks	3	UNO	
EE 316	Electric and Magnetic Fields	3	UND		EE 421/L	Electronics II & Lab	4	UNO	
EE 321/L	Electronics I & Lab	4	UND		EE 452/L	Embedded System & Lab	4	UNO	
		19						15	
Fifth Year Fall					Fifth Year Spring				
Course #	Course Name	Credits	Taken	UND Equivalent (if any)	Course #	Course Name	Credits	Taken	UND Equivalent (if any)
EE 318	Engineering Data Analysis	3	UND		EE 481	Senior Design II	3	UND	
EE 480	Senior Design I	3	UND			EE Elective	3	UNO	
ENGR 460	Engineering Economy	3	UND			EE Elective	3	UNO	
	EE Elective	3	UND			EE Elective	3	UNO	
					EE 405/L	Control Systems I & Lab	4	UNO	
		12						16	

Total Credits	52	Total Credits	73
Total DC Credits	49	Total DC Credits	38
Total UNO Credits	33	Total UNO Credits	35

Total	155
DC	31
UNO	68

1	PHYS 251 and 252 lectures are taken during the term, with the accompanying 1 credit lab taken directly the following summer.

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