

Advising Roadmap - Recommended Course Sequence

Program: Mathematics B.S.

Option: I - Applied Mathematics

4-Year Plan

Effective Fall 2021

Fall	Units	Spring	Units
Year One -		30 units	
GE A1	3	GE B1: PHYS 2100	5
GE A2	3	GE C1	3
GE B2: BIOL 1100	5	MATH 2120*	4
GE B4: MATH 2110*	4	MATH 2450*	3
TOTAL		TOTAL	
15		15	
Year Two -		31 units	
GE A3	3	GE AM-US Gov't	3
GE AM-US History	3	GE C2	3
MATH 2130*	3	GE E	3
MATH 2550*	3	MATH 2150*	3
MATH 2170*/CS 2010*	3	MATH 3450*	4
TOTAL		TOTAL	
15		16	
Year Three -		31 units	
GE D1	3	GE D2	3
MATH 4550*	3	UD GE B	3
MATH 4570*	3	MATH 4650*	3
Group IV Course	5	Group I Course	3
Free Elective	2	Option UD Elective 1	3
TOTAL		TOTAL	
16		15	
Year Four -		28 units	
UD GE C	3	UD GE D	3
Option UD Elective 2	3	Group III Course	3
Option UD Elective 3	3	MATH 4740	3
Group II Course	3	MATH 4900	4
MATH 4680	3		
TOTAL		TOTAL	
15		13	
TOTAL UNITS 120			

Note: (*) = prerequisite

Advising Roadmap - Recommended Course Sequence

Program: Mathematics B.S.

Option: I - Applied Mathematics

2-Yr Plan

Effective Fall 2021

Completed prior to transfer **60** **units**

LD GE Block A	9	MATH 2110*, MATH 2120, MATH 2130*	11
LD GE Block C	6	MATH 2550	3
LD GE Block D	6	MATH 2170* / CS 2011*	3
American Institutions	6	PHYS 2110*+	5
BIOL 1100 * +	5	Transferrable Credits	6

Fall	Units	Spring	Units
Junior Year -		29 units	
UD GE C	3	UD GE B	3
MATH 2150*	3	UD GE D	3
MATH 2450*	3	MATH 3450*	3
Group IV Course	3	Group I Course: MATH 4030	3
Free Elective	2	Option UD Elective 1	3
TOTAL 14		TOTAL 15	
Senior Year -		31 units	
Option UD Elective 2	3	MATH 4680	3
Group II Course: MATH 4100	3	MATH 4740	3
MATH 4550*	3	MATH 4900	4
MATH 4570*	3	Group III Course	3
MATH 4650*	3	Option UD Elective 3	3
TOTAL 15		TOTAL 16	
TOTAL RESIDENCE UNITS 60			

Note: (*) = prerequisite; (+) = GE course

Advising Roadmap - Recommended Course Sequence

Program: Mathematics B.S.

Option: II - General Mathematics

4-Year Plan

Effective Fall 2021

Fall	Units	Spring	Units
Year One -		30 units	
GE A1	3	GE B1: PHYS 2100*	5
GE A2	3	GE C1	3
GE B2: BIOL 1100*	5	MATH 2120*	4
GE B4: MATH 2110*	4	MATH 2450*	3
TOTAL		TOTAL	
15		15	
Year Two -		31 units	
GE A3	3	GE AM-US Gov't	3
GE AM-US History	3	GE C2	3
MATH 2130*	3	GE E	3
MATH 2550*	3	MATH 2150*	3
MATH 2170*/CS 2010*	3	MATH 3450*	4
TOTAL		TOTAL	
15		16	
Year Three -		30 units	
GE D1	3	GE D2	3
MATH 4550*	3	UD GE B	3
MATH 4570*	3	MATH 4650*	3
Group II Course	3	Group I Course	3
Option UD Elective 1	3	Option UD Elective 2	3
TOTAL		TOTAL	
15		15	
Year Four -		29 units	
UD GE C	3	UD GE D	3
Option UD Elective 3	3	Group III Course	3
Option UD Elective 4	3	Option UD Elective 5	3
Group IV Course	5	MATH 4900	4
Free Elective	2		
TOTAL		TOTAL	
16		13	
TOTAL UNITS			120

Note: (*) = prerequisite

Advising Roadmap - Recommended Course Sequence

Program: Mathematics B.S.

Option: II - General Mathematics

2-Yr Plan

Effective Fall 2021

Completed prior to transfer **60** units

LD GE Block A	9	MATH 2110*, MATH 2120, MATH 2130	11
LD GE Block C	6	MATH 2550	3
LD GE Block D	6	MATH 2170* / CS 2011*	3
American Institutions	6	PHYS 2110*+	5
BIOL 1100 * +	5	Transferrable Credits	6

Fall	Units	Spring	Units
Junior Year -		29 units	
UD GE C	3	UD GE D	3
MATH 2150*	3	UD GE B	3
MATH 2450*	3	MATH 3450*	3
Group II Course	3	Option UD Elective 1	3
Free Elective	2	Option UD Elective 2	3
TOTAL 14		TOTAL 15	
Senior Year -		31 units	
MATH 4550*	3	MATH 4900	4
MATH 4570*	3	Group I Course	3
MATH 4650*	3	Group III Course	3
Group IV Course	3	Option UD Elective 4	3
Option UD Elective 3	3	Option UD Elective 5	3
TOTAL 15		16	
TOTAL RESIDENCE UNITS			60

Note: (*) = prerequisite; (+) = GE course

Advising Roadmap - Recommended Course Sequence

Program: Mathematics B.S.

Option: III - Integrated Teaching

4.5-Year Plan

Effective Fall 2021

Fall	Units	Spring	Units
Year One -		30 units	
GE A1	3	GE B1: PHYS 2100*	5
GE A2	3	GE C1	3
GE B2: BIOL 1100*	5	MATH 2120*	4
GE B4: MATH 2110*	4	MATH 2450*	3
TOTAL 15		TOTAL 15	
Year Two -		31 units	
GE A3	3	GE AM-US Gov't	3
GE AM-US History	3	GE C2	3
MATH 2130*	3	GE D1	3
MATH 2550*	3	MATH 2150*	3
MATH 2170*/CS 2010*	3	MATH 3450*	4
TOTAL 15		TOTAL 16	
Year Three - (submit CCOE application)		29 units	
MATH 2600	3	EDCI 4000*	3
MATH 2740	3	EDFN 4400*	3
MATH 3950*	3	EDSE 4301*	3
MATH 4300*	3	EDSP 4000*	3
MATH 4550* / MATH 4570*	3	MATH 3960*	2
TOTAL 15		TOTAL 14	
Year Four -		31 units	
MATH 4460	3	EDSE 4212M	3
MATH 4650*	3	EDCI 4292	3
MATH 4740*	3	EDSE 4502	3
EDSE 5000	3	EDSE 5002	3
EDFN 4131*	3	MATH 4901	4
TOTAL 15		TOTAL 16	
Year Five - Student Teaching		14 units	
EDSE 4453	5		
EDSE 4463	3		
GE D2	3		
GE E	3		
TOTAL 14		TOTAL 0	
TOTAL UNITS			135

Note: (*) = prerequisite

Advising Roadmap - Recommended Course Sequence

Program: Mathematics B.S.

Option: III - Integrated Teaching

4.5-Year Plan

Effective Fall 2021

Fall	Units	Spring	Units
Year One -		30 units	
GE A1	3	GE B1: PHYS 2100*	5
GE A2	3	GE C1	3
GE B2: BIOL 1100*	5	MATH 2120*	4
GE B4: MATH 2110*	4	MATH 2450*	3
TOTAL 15		TOTAL 15	
Year Two -		31 units	
GE A3	3	GE AM-US Gov't	3
GE AM-US History	3	GE C2	3
MATH 2130*	3	GE D1	3
MATH 2550*	3	MATH 2150*	3
MATH 2170*/CS 2010*	3	MATH 3450*	4
TOTAL 15		TOTAL 16	
Year Three - (submit CCOE application)		29 units	
MATH 2600	3	EDCI 4000*	3
MATH 2740	3	EDFN 4400*	3
MATH 3950*	3	EDSE 4301*	3
MATH 4300*	3	EDSP 4000*	3
MATH 4550* / MATH 4570*	3	MATH 3960*	2
TOTAL 15		TOTAL 14	
Year Four -		31 units	
MATH 4460	3	EDSE 4212M	3
MATH 4650*	3	EDCI 4292	3
MATH 4740*	3	EDSE 4502	3
EDSE 5000	3	EDSE 5002	3
EDFN 4131*	3	MATH 4901	4
TOTAL 15		TOTAL 16	
Year Five - Student Teaching		14 units	
EDSE 4453	5		
EDSE 4463	3		
GE D2	3		
GE E	3		
TOTAL 14		TOTAL 0	
TOTAL UNITS			135

Note: (*) = prerequisite