Mathematics

Bachelor of Arts | College of Arts & Sciences | Quinnipiac University | Catalog Year 2024-2025

Sample four-year plan

Shown below is one of many possible paths through the curriculum. Each student's individual academic plan is crafted in consultation with their academic advisor.

		with wour a	dvisor at least	tonce a semester, and a GPA of 2.0 or higher		
	Milestones: Earn 30 credits, meet v	_			-	
Fall Semes		Credits	Spring Se			Credits
EN 101	Introduction to Academic Reading	3	EN102	Academic Writing/Research		3
	and Writing UC Foundations Inquiry			UC Foundations Inquiry		
FYS 101	First-Year Seminar	3	MA 152	Calculus II		4
115 101	UC Foundations Inquiry	3	WIA 132	Calculus II		7
MA 151	Calculus I	4	MA 229	Linear Algebra		3
	UC Foundations Inquiry					
	University Curriculum (UC)	3		University Curriculum (UC)		3
	University Curriculum (UC)	3		University Curriculum (UC)		3
	Total	16		,	Fotal	16
	ca	Meet with reer, and co	o-curricular o	at least once per semester to discuss academic, experportunities.	riential l	
Fall Semes		Credits	Spring Se			Credits
MA 251	Calculus III	4	MA 321	Abstract Algebra		3
MA 301	Foundations of Proof	3		Language 102 Satisfies CAS language requirement		3
	Language at 101 level	3		University Curriculum (UC)		3
	Language at 101 level	9				
	University Curriculum (UC)	3		University Curriculum (UC)		3
				•		3
	University Curriculum (UC) University Curriculum (UC) Total	3 3 16	Third Year	University Curriculum (UC) University Curriculum (UC)	Гotal	3 15
	University Curriculum (UC) University Curriculum (UC) Total Test: Earn 90 credits and a GPA of 2.0 or higher	3 3 16 T. Meet with the meternship of	h your adviso or research op	University Curriculum (UC) University Curriculum (UC) r at least once per semester. Participate in study abroportunities.	ļ	3 15 mplete
Fall Semes	University Curriculum (UC) University Curriculum (UC) Total Les: Earn 90 credits and a GPA of 2.0 or higher interester	3 3 16 Meet with the meternship of Credits	h your adviso or research op Spring Se	University Curriculum (UC) University Curriculum (UC) r at least once per semester. Participate in study abreportunities. mester	ļ	3 15 mplete Credits
	University Curriculum (UC) University Curriculum (UC) Total Les: Earn 90 credits and a GPA of 2.0 or higher in the ster Math elective	3 3 16 T. Meet with the meternship of Credits 3	h your adviso or research op	University Curriculum (UC) University Curriculum (UC) r at least once per semester. Participate in study abroportunities. mester Math elective	ļ	3 15 mplete Credits 3
Fall Semes	University Curriculum (UC) University Curriculum (UC) Total es: Earn 90 credits and a GPA of 2.0 or higher isster Math elective University Curriculum (UC)	3 3 16 T. Meet with the meternship of Credits 3 3	h your adviso or research op Spring Se	University Curriculum (UC) University Curriculum (UC) r at least once per semester. Participate in study abroportunities. mester Math elective Open Elective	ļ	3 15 mplete Credits 3 3
Fall Semes	University Curriculum (UC) University Curriculum (UC) Total Les: Earn 90 credits and a GPA of 2.0 or higher is ster Math elective University Curriculum (UC) Open Elective	3 3 16 T. Meet with internship of Credits 3 3	h your adviso or research op Spring Se	University Curriculum (UC) University Curriculum (UC) r at least once per semester. Participate in study abroportunities. mester Math elective Open Elective Open Elective	ļ	3 15 Inplete Credits 3 3 3
Fall Semes	University Curriculum (UC) University Curriculum (UC) Total Test: Earn 90 credits and a GPA of 2.0 or higher is ter Math elective University Curriculum (UC) Open Elective Open Elective	3 3 16 T. Meet with the meternship of Credits 3 3 3 3	h your adviso or research op Spring Se	University Curriculum (UC) University Curriculum (UC) r at least once per semester. Participate in study abroportunities. mester Math elective Open Elective Open Elective Open Elective Open Elective	ļ	3 15 Inplete Credits 3 3 3 3
Fall Semes	University Curriculum (UC) University Curriculum (UC) Total ess: Earn 90 credits and a GPA of 2.0 or higher is ster Math elective University Curriculum (UC) Open Elective Open Elective Open Elective Open Elective	3 3 16 T. Meet with the meternship of Credits 3 3 3 3 3 3	h your adviso or research op Spring Se	University Curriculum (UC) University Curriculum (UC) r at least once per semester. Participate in study abroportunities. mester Math elective Open Elective Open Elective	ļ	3 15 mplete Credits 3 3 3 3 3
Fall Semes	University Curriculum (UC) University Curriculum (UC) Total Test: Earn 90 credits and a GPA of 2.0 or higher is ter Math elective University Curriculum (UC) Open Elective Open Elective	3 3 16 T. Meet with the meternship of Credits 3 3 3 3	h your adviso or research op Spring Se	University Curriculum (UC) University Curriculum (UC) r at least once per semester. Participate in study abroportunities. mester Math elective Open Elective Open Elective Open Elective Open Elective Open Elective	ļ	3 15 Inplete Credits 3 3 3 3
Fall Semes	University Curriculum (UC) University Curriculum (UC) Total Tester Math elective University Curriculum (UC) Open Elective Open Elective Open Elective Total	3 3 16 T. Meet with the meternship of the control	h your adviso or research op Spring Se MA xxx Fourth Year	University Curriculum (UC) University Curriculum (UC) r at least once per semester. Participate in study abroportunities. mester Math elective Open Elective Open Elective Open Elective Open Elective Open Elective	pad, cor	3 15 mplete Credits 3 3 3 3 3
Fall Semes	University Curriculum (UC) University Curriculum (UC) Total Test: Earn 90 credits and a GPA of 2.0 or higher is ster Math elective University Curriculum (UC) Open Elective Open Elective Open Elective Total Milestones: Earn 120 credits and a GPA of 2.0	3 3 16 T. Meet with the meternship of the control	h your adviso or research op Spring Se MA xxx Fourth Year	University Curriculum (UC) University Curriculum (UC) r at least once per semester. Participate in study abroportunities. mester Math elective Open Elective Open Elective Open Elective Open Elective Open Elective Open Elective Open Elective Open Elective	pad, cor	3 15 mplete Credits 3 3 3 3 3
Fall Semes	University Curriculum (UC) University Curriculum (UC) Total Test: Earn 90 credits and a GPA of 2.0 or higher is ster Math elective University Curriculum (UC) Open Elective Open Elective Open Elective Total Milestones: Earn 120 credits and a GPA of 2.0	3 3 16 T. Meet with the meternship of Credits 3 3 3 15 O or higher.	h your adviso or research op Spring Se MA xxx Fourth Year Complete po	University Curriculum (UC) University Curriculum (UC) r at least once per semester. Participate in study abroportunities. mester Math elective Open Elective Open Elective Open Elective Open Elective Open Elective Open Elective Open Elective Open Elective	pad, cor	3 15 mplete Credits 3 3 3 3 15
Fall Semes MA xxx Fall Semes	University Curriculum (UC) University Curriculum (UC) Total Les: Earn 90 credits and a GPA of 2.0 or higher is ster Math elective University Curriculum (UC) Open Elective Open Elective Open Elective Total Milestones: Earn 120 credits and a GPA of 2.0 ster	3 3 16 T. Meet with internship of Credits 3 3 3 15 Our higher Credits	h your adviso or research opp Spring Se MA xxx Fourth Year Complete po Spring Se	University Curriculum (UC) University Curriculum (UC) r at least once per semester. Participate in study abroportunities. mester Math elective Open Elective	pad, cor	3 15 mplete Credits 3 3 3 15 Credits
Fall Semes MA xxx Fall Semes	University Curriculum (UC) University Curriculum (UC) Total Les: Earn 90 credits and a GPA of 2.0 or higher is ster Math elective University Curriculum (UC) Open Elective Open Elective Open Elective Total Milestones: Earn 120 credits and a GPA of 2.0 ster Math elective	3 3 16 T. Meet with internship of Credits 3 3 3 15 Our higher. Credits 3	h your adviso or research opp Spring Se MA xxx Fourth Year Complete po Spring Se	University Curriculum (UC) University Curriculum (UC) r at least once per semester. Participate in study abreportunities. mester Math elective Open Elective Open Elective Open Elective Open Elective Semible minor or double major and prepare for graduates mester Senior Seminar	pad, cor	3 15 Inplete Credits 3 3 3 15 Credits 3
Fall Semes MA xxx Fall Semes	University Curriculum (UC) University Curriculum (UC) Total Tester Math elective University Curriculum (UC) Open Elective Open Elective Open Elective Total Milestones: Earn 120 credits and a GPA of 2.0 Ster Math elective Open Elective Open Elective Open Elective Open Elective Open Elective	3 3 16 Credits 3 3 3 15 Or higher Credits 3 3 3 3 15	h your adviso or research opp Spring Se MA xxx Fourth Year Complete po Spring Se	University Curriculum (UC) University Curriculum (UC) r at least once per semester. Participate in study abroportunities. mester Math elective Open Elective Open Elective Open Elective Open Elective Seminar open Elective Open Elective	pad, cor	3 15 Implete Credits 3 3 3 15 Credits 3 3 3
Fall Semes MA xxx Fall Semes	University Curriculum (UC) University Curriculum (UC) Total Test: Earn 90 credits and a GPA of 2.0 or higher is ter Math elective University Curriculum (UC) Open Elective Open Elective Open Elective Total Milestones: Earn 120 credits and a GPA of 2.0 ster Math elective Open Elective	3 3 16 T. Meet with the meternship of Credits 3 3 3 15 Our higher Credits 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	h your adviso or research opp Spring Se MA xxx Fourth Year Complete po Spring Se	University Curriculum (UC) University Curriculum (UC) r at least once per semester. Participate in study abroportunities. mester Math elective Open Elective Open Elective Open Elective Open Elective Sessible minor or double major and prepare for graduates mester Senior Seminar Open Elective Open Elective Open Elective Open Elective	pad, cor	3 15 Credits 3 3 3 15 Credits 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

 $Total\ number\ of\ credits\ to\ graduate:\ 120$

Mathematics

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ELEMENTARY EDUCATION TRACK

	Milestones: Earn 30 credits, meet	with your a	First Year dvisor at least	once a semester, and a GPA of 2.0 or higher.	
Fall Semester		Credits	-		Credits
EN 101	Introduction to Academic Reading and Writing UC Foundations Inquiry	3	EN102	Academic Writing/Research UC Foundations Inquiry	3
FYS 101	First-Year Seminar UC Foundations Inquiry	3	MA 152	Calculus II	4
MA 151	Calculus I	4	MA 229	Linear Algebra UC Foundations Inquiry	3
PS 101	Introduction to Psychology University Curriculum (UC)	3	AR 158	Photography I	3
HS 131	US History to 1850	3	ED 140	Introduction to Public Education	1
	Total	16		Total	14
Milestones Fall Semest	ca		your advisor at o-curricular op Spring Sem		learning,
MA 301	Foundations of Advanced Mathematics	3	MA 321	Abstract Algebra	3
MA 251	Multivariable Calculus	4	MA xxx	Math elective	3
1411 231	Language at 101 Level	3	WITAAA	Language 102 Satisfies CAS language requirement	3
ED 250	Diversity, Dispositions & Multicultural University Curriculum Social Science	3	ED 260	Social and Philosophical Foundations of Education	3
	University Curriculum (UC)	3		University Curriculum (UC)	3
	Total	16		Total	15
	i	internship o	or research opp		_
Fall Semest		Credits	Spring Sem		Credits
MA 341	Advanced Calculus	3	MA xxx	Math elective	3
MA 365	Ordinary Differential Equations	3	ED 342+L	Advanced Learning and Teaching	4
ED 341+L	Teaching Developing Child	4	ED 462	Facilitating the Arts	3
	University Curriculum (UC)	3		Humanities University Curriculum (UC)	3
	University Curriculum (UC)	3		Natural Science University Curriculum (UC)	
	Total	16		Total	3
	Total	10		Total	16
ľ			Fourth Year Complete pos		
Fall Semest	Milestones: Earn 120 credits and a GPA of 2.		Complete pos	ssible minor or double major and prepare for graduation.	
	Milestones: Earn 120 credits and a GPA of 2.	0 or higher.		ssible minor or double major and prepare for graduation.	16
Fall Semest	Milestones: Earn 120 credits and a GPA of 2. er Music and Disabilities Understanding Theater	0 or higher.	Complete pos Spring Sem	ssible minor or double major and prepare for graduation.	16 Credits
Fall Semest MU 250	Milestones: Earn 120 credits and a GPA of 2. er Music and Disabilities	0 or higher. Credits	Spring Sem MA 490	ssible minor or double major and prepare for graduation. tester Mathematics Senior Seminar	16 Credits 4
Fall Semest MU 250 DR 101	Milestones: Earn 120 credits and a GPA of 2. er Music and Disabilities Understanding Theater UC Fine Arts	0 or higher. Credits 3	Spring Sem MA 490 ED 466	ssible minor or double major and prepare for graduation. ester Mathematics Senior Seminar Social Studies in Primary Grades	Credits 4 3
Fall Semest MU 250 DR 101 PS 252	Milestones: Earn 120 credits and a GPA of 2. er Music and Disabilities Understanding Theater UC Fine Arts Physio Psychology	0 or higher. Credits 3 3	Spring Sem MA 490 ED 466 SPED 522	ssible minor or double major and prepare for graduation. ester Mathematics Senior Seminar Social Studies in Primary Grades Teaching in Inclusive Classroom	16 Credits 4 3 3

Total number of credits to graduate: 122*

SECONDARY EDUCATION TRACK

First Year

Milestones: Earn 30 credits, meet with your advisor at least once a semester, and a GPA of 2.0 or higher.



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Fall Semester		Credits	s Spring Semester		Credits
EN 101	Introduction to Academic Reading and Writing UC Foundations Inquiry	3	EN102	Academic Writing/Research UC Foundations Inquiry	3
FYS 101	First-Year Seminar UC Foundations Inquiry	3	MA 152	Calculus II	4
MA 151	Calculus I UC Personal Inquiry 2	4	MA 229	Linear Algebra UC Foundations Inquiry	3
PS 101	Introduction to Psychology University Curriculum - Social Science; Required for certification	3	ED 140	Introduction to Public Education	1
HS xxx	US History University Curriculum - Humanities; Required for certification	3		Open Elective	3
	Total	16		Total	14
Milestones Fall Semest	ca		your advisor a o-curricular o		learning,
MA 301	Foundations of Advanced Mathematics	3	MA 321	Abstract Algebra	3
MA 251	Multivariable Calculus	4	ED 260	Social Foundations of Education UC Humanities;	3
ED 250	Diversity and Multiculturalism University Curriculum - Social Science	3	PS 236	Child and Adolescent Development Satisfies UC Social Science; Required for certification	3
EN 2xx	Humanities University Curriculum; Required for certification	3		Language 102 Satisfies CAS language requirement	3
	Language at 101 level	3		Natural Science University Curriculum (UC)	4
	Total	16		Total	16
Mileston			Third Year h your advisor research op	or at least once per semester. Participate in study abroad, co portunities.	mplete
Fall Semest	er	Credits	Spring Sen	nester	Credits
MA 341	Advanced Calculus	3	MA xxx	Math elective	3
MA xxx	Math elective	3	ED 343	Advanced Learning and Teaching Secondary	3
ED 341	Teaching Developing Child	3	ED 343L	Field Study Learning and Teaching Secondary	1
ED 341L	Field Study: Teaching Devel. Child	1	ED 462	Facilitating the Arts	3
	Fine Arts University Curriculum (UC)	3		University Curriculum (UC)	3
	University Curriculum (UC)	3		Open Elective	3
	Total	16		Total	16
I	Milestones: Earn 120 credits and a GPA of 2.0		Fourth Year . Complete po	ossible minor or double major and prepare for graduation.	
Fall Semest	er	Credits	Spring Sen	nester	Credits
MA xxx	Math elective	3	MA 490	Mathematics Senior Seminar	3
ED 409	Reading Writing Across Curriculum	3	ED 452L	Special Ed Field Lab	1
ED 477	Teaching English Lang Learners	3	SPED 552	Teaching in Inclusive Classroom	3
ED 477L	Field Study Eng Lang Learners	1	MA 580	Geometry (for graduate credit)	4
	Open Elective	3		Open Elective	3
	Open Elective	2-3	1		
	1 1				

Total number of credits to graduate: 124*