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.

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

Fall Semester		Credits	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 Foundations Inquiry*	4	MA 229	Linear Algebra	3
	University Curriculum (UC)	3		University Curriculum (UC)	3
	University Curriculum (UC)	3		University Curriculum (UC)	3
	Total	**16**		**Total**	**16**

Second Year
Milestones: Earn 60 credits and a GPA of 2.0 or higher. Meet with your advisor at least once per semester to discuss academic, experiential learning, career, and co-curricular opportunities.

Fall Semester		Credits	Spring Semester		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
	University Curriculum (UC)	3		University Curriculum (UC)	3
	University Curriculum (UC)	3		University Curriculum (UC)	3
	Total	**16**		**Total**	**15**

Third Year
Milestones: Earn 90 credits and a GPA of 2.0 or higher. Meet with your advisor at least once per semester. Participate in study abroad, complete internship or research opportunities.

Fall Semester		Credits	Spring Semester		Credits
MA xxx	Math elective	3	MA xxx	Math elective	3
	University Curriculum (UC)	3		Open Elective	3
	Open Elective	3		Open Elective	3
	Open Elective	3		Open Elective	3
	Open Elective	3		Open Elective	3
	Total	**15**		**Total**	**15**

Fourth Year
Milestones: Earn 120 credits and a GPA of 2.0 or higher. Complete possible minor or double major and prepare for graduation.

Fall Semester		Credits	Spring Semester		Credits
MA xxx	Math elective	3	MA 490	Senior Seminar	3
	Open Elective	3		Open Elective	3
	Open Elective	3		Open Elective	3
	Open Elective	3		Open Elective	3
	Open Elective	1		Open Elective	1
	Total	**14**		**Total**	**14**

Total number of credits to graduate: 120

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ELEMENTARY 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.

Fall Semester		Credits	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	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**

Second Year
Milestones: Earn 60 credits and a GPA of 2.0 or higher. Meet with your advisor at least once per semester to discuss academic, experiential learning, career, and co-curricular opportunities.

Fall Semester		Credits	Spring Semester		Credits
MA 301	Foundations of Advanced Mathematics	3	MA 321	Abstract Algebra	3
MA 251	Multivariable Calculus	4	MA xxx	Math elective	3
	Language at 101 Level	3		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**

Third Year
Milestones: Earn 90 credits and a GPA of 2.0 or higher. Meet with your advisor at least once per semester. Participate in study abroad, complete internship or research opportunities.

Fall Semester		Credits	Spring Semester		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)*	3
	Total	**16**		**Total**	**16**

Fourth Year
Milestones: Earn 120 credits and a GPA of 2.0 or higher. Complete possible minor or double major and prepare for graduation.

Fall Semester		Credits	Spring Semester		Credits
MU 250	Music and Disabilities	3	MA 490	Mathematics Senior Seminar	4
DR 101	Understanding Theater *UC Fine Arts*	3	ED 466	Social Studies in Primary Grades	3
PS 252	Physio Psychology	3	SPED 522	Teaching in Inclusive Classroom	3
ED 458	Science in Primary Grades + Lab	4	ED 436	Literacy in Primary Grades	3
ED 468	Math for Primary Grades	3			
	Total	**16**		**Total**	**13**

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	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**

Second Year
Milestones: Earn 60 credits and a GPA of 2.0 or higher. Meet with your advisor at least once per semester to discuss academic, experiential learning, career, and co-curricular opportunities.

Fall Semester		Credits	Spring Semester		Credits
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**

Third Year
Milestones: Earn 90 credits and a GPA of 2.0 or higher. Meet with your advisor at least once per semester. Participate in study abroad, complete internship or research opportunities.

Fall Semester		Credits	Spring Semester		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**

Fourth Year
Milestones: Earn 120 credits and a GPA of 2.0 or higher. Complete possible minor or double major and prepare for graduation.

Fall Semester		Credits	Spring Semester		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			
	Total	**15-16**		**Total**	**14**

Total number of credits to graduate: 124*

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