

Degree:	Bachelor of Science	Credits required for degree:	128
Major:	Programming	Credits required in major:	72
Concentration:	Application Programming	Estimated semesters to complete this degree plan:	8

1st Semester Courses (Typically the Fall Semester)	Credit Hours	2nd Semester Courses (Typically the Spring Semester)	Credit Hours
Total Semester Credit Hours	16	Total Semester Credit Hours	16
PROG 101 Introduction to Programming	3	PROG 103 Computer Architecture	3
INMD 102 Fundamentals of Interaction	3	PROG 201 Object Oriented Programming I	3
Columbia Core Requirement (Math)	3	MATH 210 College Algebra	3
ENGL 111 Writing and Rhetoric I (Core)	3	ENGL 112 Writing and Rhetoric II (Core)	3
CCCX 1** First Semester Experience (Core)	3	Columbia Core Requirement	3
College-Wide Elective	1	College-Wide Elective	1
3rd Semester Courses (Typically the Fall Semester)	Credit Hours	4th Semester Courses (Typically the Spring Semester)	Credit Hours
Total Semester Credit Hours	16	Total Semester Credit Hours	16
MATH 215 Precalculus	3	INMD 210 Interface Design I	3
PHYS 220 Fundamentals of Physics I	3	MATH 220 Calculus I	4
PROG 220 C++ Programming I	3	PROG 301 Object Oriented Programming II	3
INMD 260 Introduction to IAM Team Development (Fall Only)	3	Columbia Core Requirement	3
CCCX 2** Creative Communities (Core)	3	Columbia Core Requirement	3
College-Wide Elective	1		
5th Semester Courses (Typically the Fall Semester)	Credit Hours	6th Semester Courses (Typically the Spring Semester)	Credit Hours
Total Semester Credit Hours	16	Total Semester Credit Hours	16
MATH 221 Calculus II	4	PROG 260 Data Design	3
or MATH 205 Introduction to Statistics	*	PROG 455 Application Design	3
PROG 366 Algorithms	3	Major Elective- Select Advanced Math Course	4
PROG 420 C++ Programming II	3	CCCX 3** Innovation and Impact (Core)	3
PROG 450 (Section A, B, or C) Code Sprint	1	Columbia Core Requirement	3
Columbia Core Requirement	3		
College-Wide Elective	2		
7th Semester Courses (Typically the Fall Semester)	Credit Hours	8th Semester Courses (Typically the Spring Semester)	Credit Hours
Total Semester Credit Hours	16	Total Semester Credit Hours	16
Major Elective - Select Advanced Math Course	4	PROG 449 AI Programming	3
PROG 340 Graphics Application Programming	3	INMD 460 IAM Team (Spring Only)	6
PROG 450 (Section A, B, or C) Code Sprint	1	Columbia Core Requirement	3
Columbia Core Requirement	3	College-Wide Elective	3
Columbia Core Requirement	3	College-Wide Elective	1
College-Wide Elective	2		

Notes on the Four-Year Student Degree Plan:

This degree plan is a suggested sequence only. Students should consult with their Academic Advisors and Academic Departments to develop their unique individual plans.

Essential LAS Core Requirements include English, Mathematics, Sciences, Literature, Humanities, History, and Social Sciences. **Columbia Experience Core Requirements** include First-Semester Experience, Creative Communities, and Innovation and Impact courses.

Major Electives include courses required to be completed to finish a major, and students will choose from a list of Major Electives in the course catalog.

College-Wide Electives include all courses and credits not specifically applied towards the Columbia Core or Major Requirements.

All degree-seeking undergraduate students are required to complete 6 credits of **Diversity, Equity, and Inclusion (DEI)** coursework. All degree-seeking undergraduate students are required to complete 9 credits of **advanced (200 or higher level)** coursework in the Columbia Core.

Students are encouraged to consider declaring a Minor to complete their required College-Wide Elective credits.

Full-time status at Columbia College Chicago is a minimum of 12 attempted credits per semester, but the cost of tuition is the same for 12-16 attempted credits. Students are encouraged to attempt 15-16 credits each semester for financial reasons and to complete their degree (120-128 minimum credits) in a timely fashion.

Degree:	Bachelor of Science	Credits required for degree:	128
Major:	Programming	Credits required in major:	72
Concentration:	Application Programming	Estimated semesters to complete this degree plan:	6*

*Work with Academic Advisor and Department to create a plan.

1st Semester Courses (Typically the Fall Semester)	Credit Hours	2nd Semester Courses (Typically the Spring Semester)	Credit Hours
Total Semester Credit Hours	9	Total Semester Credit Hours	12
PROG 101 Introduction to Programming	3	PROG 103 Computer Architecture	3
INMD 102 Fundamentals of Interaction	3	PROG 201 Object Oriented Programming I	3
MATH 210 College Algebra	3	INMD 210 Interface Design I	3
		MATH 215 Precalculus	3
3rd Semester Courses (Typically the Fall Semester)	Credit Hours	4th Semester Courses (Typically the Spring Semester)	Credit Hours
Total Semester Credit Hours	13	Total Semester Credit Hours	13
MATH 220 Calculus I	4	MATH 221 Calculus II	4
PHYS 220 Fundamentals of Physics I	3	or MATH 205 Introduction to Statistics	*
PROG 220 C++ Programming I	3	PROG 260 Data Design	3
INMD 260 Introduction to IAM Team Development (Fall Only)	3	PROG 301 Object Oriented Programming II	3
		CCCX 3** Innovation and Impact (Core)	3
5th Semester Courses (Typically the Fall Semester)	Credit Hours	6th Semester Courses (Typically the Spring Semester)	Credit Hours
Total Semester Credit Hours	15	Total Semester Credit Hours	16
Major Elective - Select Advanced Math Course	4	Major Elective- Select Advanced Math Course	4
PROG 340 Graphics Application Programming	3	PROG 449 AI Programming	3
PROG 366 Algorithms	3	PROG 455 Application Design	3
PROG 420 C++ Programming II	3	INMD 460 IAM Team (Spring Only)	6
PROG 450 (Section A, B, or C) Code Sprint	1		
PROG 450 (Section A, B, or C) Code Sprint	1		

Notes on the Transfer Student Degree Plan:

This degree plan assumes a student is starting at Columbia with a **minimum of 60 credits in transfer** and the completion of the Essential LAS Core Requirements. **This degree plan is a suggested sequence only.** Students should consult with their Academic Advisors and Academic Departments to develop their unique individual plans.

Essential LAS Core Requirements include English, Mathematics, Sciences, Literature, Humanities, History, and Social Sciences. **Columbia Experience Core Requirements** include First-Semester Experience, Creative Communities, and Innovation and Impact courses.

Major Electives include courses required to be completed to finish a major, and students will choose from a list of Major Electives in the course catalog.

College-Wide Electives include all courses and credits not specifically applied towards the Columbia Core or Major Requirements.

All degree-seeking undergraduate students are required to complete 6 credits of **Diversity, Equity, and Inclusion (DEI)** coursework. All degree-seeking undergraduate students are required to complete 9 credits of **advanced (200 or higher level)** coursework in the Columbia Core.

Students are encouraged to consider declaring a Minor to complete their required College-Wide Elective credits.

Full-time status at Columbia College Chicago is a minimum of 12 attempted credits per semester, but the cost of tuition is the same for 12-16 attempted credits. Students are encouraged to attempt 15-16 credits each semester for financial reasons and to complete their degree (120-128 minimum credits) in a timely fashion.