

BS CHEMISTRY (Fall 2018 & Later)

Minimum 120 credits required for Bachelor's degree	
Foundational Core (30-32 Credits)	Grade
1. English 101	C
2. English 102	C
3. English 103	C
4. English 104	C
5. English 105	C
6. English 106	C
7. English 107	C
8. English 108	C
9. English 109	C
10. English 110	C
11. English 111	C
12. English 112	C
13. English 113	C
14. English 114	C
15. English 115	C
16. English 116	C
17. English 117	C
18. English 118	C
19. English 119	C
20. English 120	C
21. English 121	C
22. English 122	C
23. English 123	C
24. English 124	C
25. English 125	C
26. English 126	C
27. English 127	C
28. English 128	C
29. English 129	C
30. English 130	C
31. English 131	C
32. English 132	C

FYXX 125 ¹	First Year Seminar	
CTL 125	Critical Thinking	
MA 151	Foundational Core Math course	
Choose 1 course from each area *		
² Natural/Physical Science		
Literature		
History	HI-100 or HI-102	
Arts/Design/Comm.		
Philosophy		
Theology/Relig		
Social/Behavioral Science		

Human Journey Seminars: Great Books in CIT (6 Credits)

CIT 201	CIT Seminar I	
CIT 202	CIT Seminar II	

Liberal Arts Explorations (9 Credits Total)

Student must complete one course in each area.
(see list on Registrar's Website - checksheets)

Humanistic Inquiry (3 credits)		
Social and Global Awareness (3 credits)		
Scientific Literacy (3 credits)		

* See list of courses.

¹(Requires Grade C or higher)²Science/Natural Science courses includes

approved Math and Computer Science courses. Students are required to take at least one course in Biology, Chemistry, or Physics in the Foundational or Liberal Arts Exploration Core. CS and MA courses may be used as a Science/Natural Science in either the Foundational Core or as a requirement in the LAE Core but not in both categories.

Note: MA 006 and ESL courses **will not** count towards the 120 credit graduation requirement.

Approved Study Abroad courses may be used to satisfy requirements for the foundational core or a Liberal Arts Exploration

A maximum of 8 Applied Music credits may be applied towards graduation

Required Curriculum for Degree in Major

[illegible]

Required Supporting Courses

MA 151	Calculus 1	
MA 152	Calculus 2	
MA 253	Calculus 3	
PY 151	Principles of Physics 1 (or sub w/ PY 111)	
PY 152	Principles of Physics 2 (or sub w/ PY 112)	
PY 153	Principles of Physics 1 Lab (or sub w/ PY 113)	
PY 154	Principles of Physics 2 Lab (or sub w/ PY 114)	

General Electives (number of credits vary)

[illegible]

Checksheet Key

T	Course transferred and Requirement satisfied
W	Requirement waived
TW	Course transferred and Requirement waived

SACRED HEART UNIVERSITY
College of Arts and Sciences

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Description of major or career/graduate school opportunities (Optional)

Recommended for:

Pre-Law

Graduate Studies Toward a PhD Degree

Work in Chemistry Industry

SUGGESTED FOUR YEAR SEQUENCE OF STUDY:

YEAR 1	SEMESTER 1	YEAR 1	SEMESTER 2
FYXX 125 or	First Year Seminar OR	FYXX 125 or	First Year Seminar OR
CTL 125	Critical Thinking	CTL 125	Critical Thinking
MA 151	Calculus 1	MA 152	Calculus 2
CH 151	General Chemistry 1	CH 152	General Chemistry 2
CH 153	General Chemistry 1 Lab	CH 154	General Chemistry 2 Lab
	Foundational Core		Foundational Core
	Foundational Core		Foundational Core
YEAR 2	SEMESTER 3	YEAR 2	SEMESTER 4
CIT 201	Catholic Intellectual Tradition Seminar	CIT 202	Catholic Intellectual Tradition Seminar
PY 151	Principles of Physics 1	PY 152	Principles of Physics 2
PY 153	Principles of Physics 1 lab	PY 154	Principles of Physics 2 Lab
CH 221	Organic Chemistry 1	CH 222	Organic Chemistry 2
CH 223	Organic Chemistry 1 Lab	CH 224	Organic Chemistry 2 Lab
	Foundational Core	CH 252	Analytical Chemistry
	Foundational Core	CH 254	Analytical Chemistry Lab
YEAR 3	SEMESTER 5	YEAR 3	SEMESTER 6
CH 331	Physical Chemistry 1	CH 332	Physical Chemistry 2
CH 333	Physical Chemistry 1 Lab	CH 334	Physical Chemistry 2 Lab
MA 253	Calculus 3		Foundational Core
	Liberal Arts Exploration		Liberal Arts Exploration
	Liberal Arts Exploration		Elective
YEAR 4	SEMESTER 7	YEAR 4	SEMESTER 8
CH 355	Advanced Inorganic Chemistry	CH 351	Instrumental Analysis
CH 395	Research Project	CH 353	Instrumental Analysis Lab
	Elective		Elective
	Elective		Elective
	Elective		Elective
	Elective		Elective