

DENTISTRY

Advisors: David Mitchell

Dental schools consider majors in any discipline to be acceptable for admission. Prerequisite coursework most often includes one year of biology, general and organic chemistry, physics, and one semester of biochemistry and mathematics. Upper division coursework in literature and in courses that have an intensive writing component are also typically required.

Admission to dental school is competitive and the admission process considers coursework, grades, performance on the Dental Admissions Test (DAT), dental exposure, manual dexterity, letters of evaluation and personal interviews during the time an applicant is applying to dental school. General information can be found in the CSB/SJU pre-professional health programs web page (<http://www.csbsju.edu/pre-professional-health/pre-dental>) (<http://www.csbsju.edu/pre-professional-health/pre-dental/>). Additional resources include the American Dental Association web site (<http://www.ada.org>) and the American Dental Education Association (<http://www.adea.org>).

CSB/SJU course work that meets the standards of the DAT exam includes:

Code	Title	Hours
BIOL 101	Foundations of Biology	4
BIOL 201	Intermediate Cell Biology and Genetics	4
CHEM 125	Introduction to Chemical Structure and Properties	4
CHEM 201	Purification and Separation Lab I	1
CHEM 202	Purification and Chromatography Lab II	1
CHEM 203	Synthesis Lab	1
CHEM 205	Chemical Measurement Lab	1
CHEM 250	Reactions of Nucleophiles and Electrophiles (Reactivity 1)	4
CHEM 251	Intermediate Reactions of Nucleophiles and Electrophiles (Reactivity 2)	4
CHEM 255	Macroscopic Chemical Analysis	4

Additional admissions requirements for dental schools not covered on the DAT will include BIOL 307 Biology of Microorganisms, BIOL 317 Biochemistry, PSYC 111 Introductory Psychology, PHYS 105 Physics for the Life Sciences I and PHYS 106 Physics for the Life Sciences II and one semester of 300 level English. The DAT includes sections on college algebra (trigonometry) and a perception motor-ability test section. Applicants are encouraged to take practice tests in these areas and to consider taking mathematics before taking the DAT. Coursework in the fine arts, business, and upper division biology are encouraged.

A few dental schools admit students after three years of undergraduate study. A three/one program is available at Saint Benedict's and Saint John's for students interested in this option. Students remain at the colleges for three years, during which time they complete all common curriculum requirements and all major requirements in a natural science program, except for four upper-division courses. Sufficient credits may then be transferred from the first year of dental school to complete the CSB/SJU degree requirements. Students need prior approval from the department chair of their major for any coursework from dental school to fulfill a course in their major. In addition, prior approval from the Academic Advising Office is required for any coursework to fulfill a

common curriculum requirement. Students contemplating a three/one program should consult early with the natural science chair.

Additional Requirements:

General Education Requirements:

All undergraduate students must complete the requirements of the Integrations Curriculum (IC) which is designed to ensure all of our students receive a liberal arts education. Please review details of the Integrations Curriculum (<https://catalog.csbsju.edu/catalog/academic-programs-policies-regulations/integrations-curriculum/>) requirements here (<https://catalog.csbsju.edu/catalog/academic-programs-policies-regulations/integrations-curriculum/>).

Graduation Requirements:

In addition to the Integrations Curriculum, all undergraduate students must meet the following minimum degree requirements to earn their degree from CSB and SJU.

Credits: 124 total credits, 40 of which must be from upper division coursework

GPA: 2.0 or higher*

Residency: At least 24 of your last 32 credits must be completed at CSB and SJU

Please visit Graduation (<https://catalog.csbsju.edu/catalog/academic-programs-policies-regulations/graduation/>) under the Academic Policies and Regulations (<https://catalog.csbsju.edu/catalog/academic-programs-policies-regulations/>) portion of the catalog for additional details regarding degree requirements.

* Cumulative GPA as well as major(s)/minor(s) GPA. Please note some majors/minors may require a higher GPA to earn their degree.

Four Year Plans

Pre-Dental

Course	Title	Hours
First Year		
Fall		
INTG 105	College Success	1
INTG 100	Foundations	4
Language 111		4
BIOL 101	Foundations of Biology	4
CHEM 125	Introduction to Chemical Structure and Properties	4
CHEM 201	Purification and Separation Lab I	1
Hours		18
Spring		
Language 112		4
Cultural/Social Difference - Identity		4
BIOL 201	Intermediate Cell Biology and Genetics	4
CHEM 250	Reactions of Nucleophiles and Electrophiles (Reactivity 1)	4
CHEM 202	Purification and Chromatography Lab II	1
Hours		17
Second Year		
Fall		
Language 211		4
THEO 100	Theological Explorations	4
PHYS 105	Physics for the Life Sciences I	4
CHEM 251	Intermediate Reactions of Nucleophiles and Electrophiles (Reactivity 2)	4

CHEM 203	Synthesis Lab	1
Hours		17
Spring		
CHEM 255	Macroscopic Chemical Analysis	4
CHEM 205	Chemical Measurement Lab	1
PHYS 106	Physics for the Life Sciences II	4
Additional Coursework as needed for major/minor		8
Hours		17
Third Year		
Fall		
BIOL 311 or BIOL 316	Cell Biology or General Genetics	4
Human Experience		4
ART 119	Design: 3D/Drawing	4
Additional Coursework as needed for major/minor		4
Hours		16
Spring		
MATH 124	Probability and Statistical Inference	4
PSYC 111	Introductory Psychology	4
BIOL 317	Biochemistry	4
Additional Coursework as needed for major/minor		4
Hours		16
Fourth Year		
Fall		
BIOL 325	Human Anatomy and Physiology I	4
BIOL 307	Biology of Microorganisms	4
Cultural/Social Difference - Systems		4
Additional Coursework as needed for major/minor		4
Hours		16
Spring		
INTG 300	Learning Integrations	4
Theological Integrations		4
BIOL 326	Human Anatomy and Physiology II	4
Additional Coursework as needed for major/minor		4
Hours		16
Total Hours		133

Pre-Dental with Study Abroad

Course	Title	Hours
First Year		
Fall		
INTG 105	College Success	1
INTG 100	Foundations	4
Language 111		4
BIOL 101	Foundations of Biology	4
CHEM 125	Introduction to Chemical Structure and Properties	4
CHEM 201	Purification and Separation Lab I	1
Hours		18
Spring		
Language 112		4
Cultural/Social Difference - Identity		4
BIOL 201	Intermediate Cell Biology and Genetics	4
CHEM 250	Reactions of Nucleophiles and Electrophiles (Reactivity 1)	4
CHEM 202	Purification and Chromatography Lab II	1
Hours		17
Second Year		
Fall		
Language 211		4
THEO 100	Theological Explorations	4
PHYS 105	Physics for the Life Sciences I	4

CHEM 251	Intermediate Reactions of Nucleophiles and Electrophiles (Reactivity 2)	4
CHEM 203	Synthesis Lab	1
Hours		17
Spring		
CHEM 255	Macroscopic Chemical Analysis	4
CHEM 205	Chemical Measurement Lab	1
PHYS 106	Physics for the Life Sciences II	4
PSYC 111	Introductory Psychology	4
Additional Coursework as needed for major/minor		4
Hours		17
Third Year		
Fall		
BIOL 311 or BIOL 316	Cell Biology or General Genetics	4
MATH 124	Probability and Statistical Inference	4
ART 119	Design: 3D/Drawing	4
Additional Coursework as needed for major/minor		4
Hours		16
Spring		
Study Abroad		
Global Engagement		4
Experiential Engagement		4
Cultural/Social Difference - Systems		4
Human Experience		4
Hours		16
Fourth Year		
Fall		
BIOL 325	Human Anatomy and Physiology I	4
BIOL 307	Biology of Microorganisms	4
Additional Coursework as needed for major/minor		8
Hours		16
Spring		
INTG 300	Learning Integrations	4
Theological Integrations		4
BIOL 326	Human Anatomy and Physiology II	4
BIOL 317	Biochemistry	4
Additional Coursework as needed for major/minor		4
Hours		20
Total Hours		137