ST JOHN'S College

SANTA FE • ANNAPOLIS

From the Dean of St. John's College, Santa Fe

To aid you in the interpretation of a SJC transcript, please bear in mind the following facts:

The St. John's program is an all-required four-year curriculum based largely on the study and discussion of original sources. Central to the program is the four-year seminar in which philosophical, literary, political, psychological, theological, and historical works seminal to Western thought are read and discussed. For these classes, semester essays are written and oral examinations are held.

The program also includes four years of language and mathematics study, three years of laboratory science, and two years of music.* The languages studied are Greek and French; these serve as the basis for exercises in translation, rhetorical analysis and writing, as well as for reflection on the nature of language itself. Our study of mathematics ranges from Euclid and Ptolemy, through calculus, to non-Euclidean geometry. In laboratory, chemistry, physics, and biology are studied. Music includes the study and discussion of theory and of seminal musical compositions; singing is incorporated as part of this work. For all classes, papers are assigned on a regular basis. Demonstration, translation, and composition round out our core approach to student assessment.

Prior to the class of 2027, the course of study here described has been designated as Bachelor of Arts in Liberal Arts. Beginning with the class of 2027, it is designated as Bachelor of Arts in Philosophy, Literature, and the Natural Sciences. It is the same course of study in either case and does not reflect a change to the program; the newer degree name is intended to convey more clearly the breadth of the education, and correctly, though unofficially, characterizes the program and degree before the 2027 class year.

Since there are no electives, and no part of the curriculum is ever forgiven, students undergo a broad and rigorous education which does not allow them to choose only those classes that conform to their particular strengths; our students are first and foremost avid learners with the intellectual courage to pursue a wide-ranging curriculum.



Sarah Davis, Dean
St. John's College, Santa Fe NM

* The music program has been revised over time. Some transcripts will show a year and a half to two years of music.

ST JOHN'S COLLEGE

ANNAPOLIS · SANTA FE

TRANSCRIPT SUPPLEMENT:
Credit Hour Analysis

At the center of the St. John's curriculum is the seminar, a four-year course of study and discussion of many of the great books that form the foundation of the philosophic, literary, political, and scientific tradition of the West. During eight weeks of the junior and senior years, seminars are suspended to give opportunity for more intensive study of a single text or problem in the preceptorial. The seminar and preceptorial work is supported by an all-required program of tutorials and laboratories, including four years of mathematics, which incorporates astronomy and theoretical physics, and which takes the student through calculus, non-Euclidean geometry, and the special theory of relativity; four years of language, in which the grammar of Ancient Greek, English, and French are studied carefully and in which the student practices the skills involved in close translation and interpretation of texts; three years of laboratory science in which the student performs experiments in physics, chemistry, and biology as part of an inquiry into the guiding theories of natural science, as set forth in the seminal books and articles that are read in class; and two years of music, in which the student becomes acquainted with the elements of music and with great works in the western musical tradition. Writing is practiced across the program. This curriculum, focused as it is on small conversation classes, is supplemented by formal lectures given once a week on a variety of subjects, both related and unrelated to our program.

The following is an analysis of the required work in terms of semester hours of conventional college subjects for a student spending all four years at the Santa Fe Campus. See verso for a list of possible curriculum/credit variations.

Course Title	Conventional Subject Matter	Freshman I	Freshman II	Sophomore I	Sophomore II	Junior I	Junior II	Senior I	Senior II	Totals
Seminar	Literature	2.0		1.0	1.5	0.5	1.0	0.5	0.5	**7.0**
	Philosophy	1.0	2.5	0.5	1.0	1.0	1.5	1.0	1.0	**9.5**
	History	0.5	0.5	0.5			0.5			**2.0**
	Political Theory	0.5	1.0		0.5	0.5	0.5		0.5	**3.5**
	Economics						0.5	0.5		**1.0**
	Biblical Literature			1.5						**1.5**
	Theology			0.5	1.0					**1.5**
	Psychology								1.0	**1.0**
Preceptorial						2.0		2.0		**4.0**
Annual & Senior Essays			0.5		1.0		1.0		3.5	**6.0**
Language	Greek	3.0	3.0	3.5						**9.5**
	English	1.0	1.0	0.5	3.0				2.0	**7.5**
	Logic				1.0					**1.0**
	French					4.0	4.0	4.0	1.0	**13.0**
Mathematics	Geometry	4.0	2.0	1.0	2.0					**9.0**
	Astronomy		2.0	3.0						**5.0**
	Analytic Geometry				2.0					**2.0**
	Calculus					3.0				**3.0**
	Mathematical Physics					1.0	3.0			**4.0**
	Foundations of Mathematics						1.0			**1.0**
	Non-Euclidean Geometry								3.0	**3.0**
	Special Theory of Relativity							4.0		**4.0**
Laboratory	Physics	0.5	1.0							**1.5**
	Chemistry		3.0							**3.0**
	Biology	3.5							3.0	**6.5**
	Optics						0.5			**0.5**
	Mechanics					5.0				**5.0**
	Electricity & Magnetism						4.5			**4.5**
	Atomic Physics							4.0		**4.0**
Music	Melodic Analysis, Chorale Counterpoint & Harmony	1.0	1.0	5.0	5.0					**12.0**
TOTALS		**17.0**	**17.5**	**17.0**	**18.0**	**17.0**	**18.0**	**16.0**	**15.5**	**136.0****

***Total hours will vary based on one or a combination of the circumstances noted on verso.*

- Prior to Fall 2003, Santa Fe Fall Freshman were required to take only one semester of Freshman Chorus, thus the total credit hours for these students at the time of graduation can vary by .5 to 1 credit. Additionally, January Freshmen take only one semester of Freshman Chorus/Freshman Music.
- In Fall 2007, the class title of Freshman Chorus changed to Freshman Music
- Depending on the duration of tenure on either campus due to inter-campus transfer prior to Fall 2007, students may have different credit hour totals in Sophomore Music and/or the Junior year Annual Essay (spring semester).
- Prior to Fall 2003, Santa Fe Seniors were required to take Visual Arts as part of the spring course of studies. The breakdown for credits for this component and its impact on Laboratory, Language and Mathematics are distributed as follows:

Analysis with Senior Visual Arts

Course Title	Conventional Subject Matter	Senior I	Senior II	Totals
Seminar	Same as Primary Chart on front page.			
Preceptorial				
Annual Essay				
Music				
Language	Greek			**9.5**
	English		2.0	**7.5**
	Logic			**1.0**
	French	4.0	.5	**12.5**
Mathematics	Geometry			**9.0**
	Astronomy			**5.0**
	Analytic Geometry			**2.0**
	Calculus			**3.0**
	Mathematical Physics			**4.0**
	Foundations of Mathematics			**1.0**
	Non-Euclidian Geometry		2.5	**2.5**
	Special Theory of Relativity	4.0		**4.0**
Laboratory	Physics			**1.5**
	Chemistry			**3.0**
	Biology		3.0	**6.5**
	Optics			**0.5**
	Mechanics			**5.0**
	Electricity & Magnetism			**4.5**
	Atomic Physics	4.0		**4.0**
Senior Visual Arts			2.5	**2.5**
Totals:		**16.0**	**17.0**	**137.0**

Total credit hours can vary slightly from that which is noted in these analyses for transcripts issued from the 1960's through the mid-1980's. Please contact the St. John's College Registrar for clarification: Santafe.registrar@sjc.edu or 505-984-6075.

Transcript Supplement

St. John's College • Santa Fe, New Mexico Annapolis, Maryland

St. John's is a small liberal arts college offering an almost entirely prescribed curriculum; the only exceptions are junior and senior year preceptorials, described below. All classes are required for all students. Students are admitted only as freshmen; transfer credits are not accepted. Graduation is based upon successful completion of the four-year program.

FRESHMAN YEAR

FRESHMAN SEMINAR

4+ hours weekly; 15-20 students; 2 instructors

Discussion-based study of selected great books; approximately 50-150 pages for each meeting. Refer to transcript *verso* for authors and texts.

FRESHMAN ESSAYS AND ORAL EXAMINATIONS

Individual paper each semester on approved topic from freshman seminar studies; minimum 3,000 words. Oral examination each semester conducted by seminar instructors; minimum 30 minutes.

FRESHMAN LANGUAGE

4.5 hours weekly; 12-16 students; 1 instructor

Introduction to Ancient Greek: grammar, syntax, and translation of selected Greek poetry and prose, including Plato's *Meno.* Studies of English grammar and style, and exercises in English prose composition.

Papers, quizzes, and presentations of translation are required.

FRESHMAN MATHEMATICS

4.5 hours weekly; 12-16 students; 1 instructor

Euclid's *Elements*: synthetic plane and solid geometry and their logical foundations, and axiomatic theory of ratios. Ptolemy's *Almagest* (first three books): foundations of plane and spherical trigonometry and astronomical observations, including mathematical treatment of the sun's apparent motion.

Papers, problems, and oral exposition of proofs are required.

FRESHMAN LABORATORY

6 hours weekly; 12-16 students; 1 instructor; 1 laboratory assistant

Observational biology (taxonomy, morphology, plant and animal functions): readings from Aristotle, Bernard, Driesch, Galen, Harvey, Linnaeus, Roux, and others. Concepts of weight, pressure, heat and temperature, development of the gas laws: readings from Archimedes, Pascal, and others. Development of the atomic theory in chemistry: readings from Avogadro, Cannizzaro, Dalton, Dulong and Petit, Gay-Lussac, Lavoisier, Mendeleyev, Priestley, and others.

Laboratory experiments, reports, and papers are required.

FRESHMAN MUSIC

1-2 hours weekly; 18-20 students; 1 instructor; 1 music assistant

Introduction to the elements of musical notation and sight reading. Group singing of Chant through selected classics of four-part choral music. Prior to Fall 2007 – no Chant; class was known as *Freshman Chorus.*

SOPHOMORE YEAR

SOPHOMORE SEMINAR

4+ hours weekly; 15-20 students; 2 instructors

Discussion-based study of selected great books; approximately 50-150 pages for each meeting. Refer to transcript *verso* for authors and texts.

SOPHOMORE ESSAYS AND ORAL EXAMINATIONS

Individual paper each semester on approved topic from sophomore seminar studies; minimum 3,000 words. Oral examination each semester conducted by seminar instructors; minimum 30 minutes.

SOPHOMORE LANGUAGE

4.5 hours weekly; 12-16 students; 1 instructor

Continued study of Ancient Greek: translations from Aristotle, Homer, Plato, Sophocles. Formal logic based on Aristotle's *Categories.* English poetry, including Chaucer and Shakespeare.

Papers and presentation of translations are required.

SOPHOMORE MATHEMATICS

4.5 hours weekly; 12-16 students; 1 instructor

Ptolemy's *Almagest*: continued technical and philosophical study of planetary astronomy. Copernicus and Kepler: related studies. Apollonius' *Conics*: geometrical exposition of conic curves and their properties. Introduction to modern analytic geometry of the straight line, circle, and conic sections, with readings from Descartes and Pascal.

Papers, problems, and exposition of proofs are required.

SOPHOMORE MUSIC

5-6 hours weekly; 15-20 students; 1 instructor; 1 music assistant

Analysis of melody, counterpoint, and harmony. Close study of major works, frequently including the *St. Matthew Passion* and one Mozart opera.

Exercises and papers required.

JUNIOR YEAR

JUNIOR SEMINAR

First semester: 8 weeks; Second semester: 16 weeks
4+ hours weekly; 15-20 students; 2 instructors

Discussion-based study of selected great books; approximately 50-150 pages for each meeting. Refer to transcript *verso* for authors and texts.

JUNIOR ESSAY AND ORAL EXAMINATIONS

Individual paper each semester on approved topic from junior seminar studies; minimum 3,000 words. Oral examination each semester conducted by seminar instructors; minimum 30 minutes.

JUNIOR LANGUAGE

4.5 hours weekly; 12-16 students; 1 instructor

French language study emphasizing grammar, style, and problems of translation. Readings from La Rochefoucauld, Molière, Racine, and others.

Papers and presentations of translations required.

JUNIOR MATHEMATICS

4.5 hours weekly; 12-16 students; 1 instructor

Introductory study of calculus: limit theory, derivatives, integrals, logarithmic functions, selected differential equations. Readings from the foundations of analysis, including Galileo, Leibniz, Newton, and others. Newton's *Principia Mathematica*: mathematical treatment of concepts of space, time, and force, and development of planetary celestial mechanics. Problems in the foundations of number theory, with readings from Dedekind.

Papers, problems, and exposition of proofs are required.

JUNIOR LABORATORY

6 hours weekly; 12-16 students; 1 instructor; 1 laboratory assistant

Classical kinematics and dynamics with special attention to periodic motions. Readings from Descartes, Galileo, Leibniz, Newton, and others. Fundamental concepts of thermodynamics. Classical theory of electricity and magnetism culminating in Maxwell's equations; readings from Faraday, Maxwell, and a modern text on wave mechanics.

Laboratory experiments, reports, and papers required.

JUNIOR PRECEPTORIAL

4+ hours weekly; 3-12 students; 1 instructor

Intensive eight-week study of one or more selected texts. Topics are selected by instructors and vary annually; sections open to juniors and seniors together.

Papers are required.

SENIOR YEAR

SENIOR SEMINAR

First semester: 8 weeks; Second semester: 13 weeks
4+ hours weekly; 15-20 students; 2 instructors

Discussion-based study of selected great books; approximately 50–150 pages for each class. Refer to transcript *verso* for authors and texts.

SENIOR ESSAY AND ORAL EXAMINATION

Major paper in the spring semester on an approved topic from the four-year program of studies; minimum 6,000 words. If approved, the essay serves as the basis for an hour-long public oral examination conducted by the committee.

SENIOR LANGUAGE

First semester; 16 weeks; Second semester: 12 weeks
4.5 hours weekly; 12-16 students; 1 instructor

Continued study of French language and literature. Readings from Baudelaire and selected 19th and 20th century poets. Study of selected modern French and English poetry and fiction.

Papers and presentation of translations required.

SENIOR MATHEMATICS

First semester; 16 weeks; Second semester: 12 weeks
4.5 hours weekly; 12-16 students; 1 instructor

Einstein's 1905 paper: study of the special theory of relativity. Lobachevsky: studies in non-Euclidean geometry.

Papers, problems, and exposition of proofs required.

SENIOR LABORATORY

First semester; 16 weeks; Second semester: 12 weeks
6 hours weekly; 12-16 students; 1 instructor; 1 laboratory assistant

Introduction to atomic theory, statistical mechanics, and quantum theory through a reading of papers by Bohr, de Broglie, Einstein, Heisenberg, Maxwell, Millikan, Planck, Rutherford, Schrödinger, and others. Introduction to evolutionary theory, genetics, and molecular biology: readings from Beadle and Tatum, Darwin, Hardy, Jacob and Monod, Mendel, Morgan, Sturtevant, Sutton, Trivers, Watson and Crick, Waddington, and others.

Laboratory experiments, reports, and papers required.

SENIOR PRECEPTORIAL

4+ hours weekly; 3-12 students; 1 instructor

Intensive eight-week study of one or more selected texts. Topics are chosen by instructors and vary annually; sections open to both seniors and juniors together.

Papers required.