

ST. JOHNSBURY ACADEMY

SAMPLE 4-Year Course Selection

Competitive College Preparatory

For those interested in attending highly competitive colleges and universities

FRESHMAN YEAR

HUMANITIES

Humanities (Accelerated)

SCIENCE

Integrated Science I (Accelerated)

MATHEMATICS

Algebra I (Accelerated)

Algebra II (Accelerated)

LANGUAGE

First of 4 courses in a single language

HEALTH AND WELLNESS

Health

Introduction to Physical Education

SOPHOMORE YEAR

ENGLISH

AP Seminar or Literary Perspectives (Accelerated)

SOCIAL STUDIES

World Civilization Post-1500

(Accelerated) or

AP World History

SCIENCE

Integrated Science II (Accelerated)

MATHEMATICS

Geometry (Accelerated)

Trigonometry (Accelerated)

LANGUAGE

Second of 4 courses in a single

language

ELECTIVES

Combination of courses to make **two** full blocks — chosen to complement student's academic plan

JUNIOR YEAR

ENGLISH

AP Seminar or Rhetoric and

Composition (Accelerated)

or AP English Language

SOCIAL STUDIES

United States History

(Accelerated or AP)

SCIENCE

Integrated Science III (Accelerated)

MATHEMATICS

Precalculus (Accelerated)

LANGUAGE

Third of 4 courses in a single language

and

Fourth of 4 courses in a single

language

ELECTIVES

Combination of courses to make **two** or **three** full blocks — chosen to complement student's academic plan

SENIOR YEAR

ENGLISH

AP Research, Literature and

Composition (Accelerated) or

AP English Literature

SOCIAL STUDIES

United States Government and

AP Electives or Microeconomics,

AP United States Government

and Politics

SCIENCE

AP STEM or Elective: Digital

Electronics

(Accelerated) or Civil Engineering

and Architecture (Accelerated) or

Biotechnical Engineering

MATHEMATICS

AP Calculus AB or BC

ELECTIVES

Combination of courses to make **two** or **three** full blocks — chosen to complement student's academic plan

CAPSTONE

Senior Capstone or Engineering

Design and Development Capstone

(Accelerated)

Students wishing to take **AP courses** in a given subject area will need to take the appropriate **AP Prep courses** as electives.

College Preparatory

For those interested in attending 4-year colleges and universities

FRESHMAN YEAR

HUMANITIES

Humanities (Accelerated/Standard)

SCIENCE

Integrated Science I

(Accelerated/Standard)

MATHEMATICS

Algebra I (Accelerated/Standard)

LANGUAGE

First of 3 courses in a single language

ELECTIVES

Chosen to complement academic plan

HEALTH AND WELLNESS

Health

Introduction to Physical Education

SOPHOMORE YEAR

ENGLISH

AP Seminar or Literary Perspectives

(Accelerated/Standard)

SOCIAL STUDIES

World Civilization Post-1500

(Accelerated/Standard)

SCIENCE

Integrated Science II (Accelerated/

Standard)

MATHEMATICS

Algebra II (Accelerated/Standard)

LANGUAGE

Second of 3 courses in a single

language

ELECTIVES

Chosen to complement academic plan

Combination of courses to make **two**

full blocks — chosen to complement

student's academic plan

JUNIOR YEAR

ENGLISH

AP Seminar, AP English Language, or

Rhetoric and Composition

(Accelerated/Standard)

SOCIAL STUDIES

United States History (Accelerated/

Standard)

SCIENCE

Integrated Science III (Accelerated/

Standard)

MATHEMATICS

Geometry (Accelerated/Standard)

LANGUAGE

Third of 3 courses in a single language

ELECTIVES

Chosen to complement academic plan

Combination of courses to make **two**

full blocks — chosen to complement

student's academic plan

SENIOR YEAR

ENGLISH

AP Research, AP English Literature or

Literature and Composition

(Accelerated/Standard)

SOCIAL STUDIES

AP or Accelerated Electives

SCIENCE

Electives

MATHEMATICS

Trigonometry (Accelerated/

Standard)

ELECTIVES

Combination of courses to make **two**

or **three** full blocks — chosen to

complement student's academic plan

CAPSTONE

Senior Capstone or Engineering

Design and Development Capstone

(Accelerated)

SAMPLE 4-Year Course Selection

Biomedical and Health Science

For those interested in attending Biomedical and Health Sciences programs at 4-year colleges and universities

FRESHMAN YEAR

HUMANITIES

Humanities (Accelerated/Standard)

SCIENCE

Integrated Science I (Accelerated/Standard)

MATHEMATICS

Algebra I (Accelerated/Standard)

LANGUAGE

First of 3 courses in a single language

ELECTIVE

Chosen to complement academic plan

HEALTH AND WELLNESS

Health

Introduction to Physical Education

SOPHOMORE YEAR

ENGLISH

AP Seminar or Literary Perspectives (Accelerated/Standard)

SOCIAL STUDIES

World Civilization II Post-1500 (Accelerated/Standard)

SCIENCE

Integrated Science II (Accelerated/Standard)

MATHEMATICS

Algebra II (Accelerated/Standard)

LANGUAGE

Second of 3 courses in a single language

ELECTIVES

Chosen to complement academic plan

Combination of courses to make **two** full blocks — chosen to complement student's academic plan

JUNIOR YEAR

ENGLISH

AP Seminar, AP English Language and Comp (Accelerated), or Rhetoric and Composition

SOCIAL STUDIES

United States History (Accelerated/Standard) or AP U.S. History

SCIENCE

Integrated Science III (Accelerated/Standard)

MATHEMATICS

Geometry (Accelerated/Standard)

LANGUAGE

Third of 3 courses in a single language

ELECTIVES

Chosen to complement academic plan

Combination of courses to make **two** or **three** full blocks — chosen to complement student's academic plan, see sidebar

SENIOR YEAR

ENGLISH

AP Research, AP English Literature and Composition (Accelerated) or Literature and Composition (Accelerated/Standard)

SOCIAL STUDIES

Electives or AP U.S. Government and Economics or AP Microeconomics

SCIENCE

Elective

Chemistry — Accelerated or AP

MATHEMATICS

Trigonometry (Accelerated/Standard)

ELECTIVES

Combination of courses to make **two** or **three** full blocks — chosen to complement student's academic plan, see below

CAPSTONE

Senior Capstone or Engineering Design and Development Capstone (Accelerated)

To pursue the Academy's Biomedical and Health Services Certificate program, choose at least two of the following electives:

- AP Biology
- AP Chemistry
- AP Physics 1 & 2 or C
- Anatomy and Physiology
- Forensics
- Genetics
- Biotechnical Engineering
- Psychology
- Sports Medicine I and II
- Statistics or AP Statistics

Students should also consider making room in their schedules for pursuing an internship or clinical experience through the Human Services courses.

Fine Arts Major or Art School

For those interested in attending a 2-year or 4-year art school or majoring in art at a university

FRESHMAN YEAR

HUMANITIES

Humanities (Accelerated/Standard)

SCIENCE

Integrated Science I (Accelerated/Standard)

MATHEMATICS

Algebra I (Accelerated/Standard)

LANGUAGE

First of 3 courses in a single language

FINE ARTS*

Introductory Level Course

HEALTH AND WELLNESS

Health

Introduction to Physical Education

SOPHOMORE YEAR

ENGLISH

AP Seminar or Literary Perspectives (Accelerated/Standard)

SOCIAL STUDIES

World Civilization Post-1500 (Accelerated/Standard)

SCIENCE

Integrated Science II (Accelerated/Standard)

MATHEMATICS

Algebra II (Accelerated/Standard)

LANGUAGE

Second of 3 courses in a single language

Third of 3 courses in a single language

ELECTIVES

Combination of courses to make **two** full blocks — chosen to complement student's academic plan

JUNIOR YEAR

ENGLISH

AP Seminar or Rhetoric and Composition (Accelerated/Standard)

SOCIAL STUDIES

United States History (Accelerated/Standard)

SCIENCE

Integrated Science III (Accelerated/Standard)

MATHEMATICS

Geometry (Accelerated/Standard)

FINE ARTS*

Combination of courses to make **four** full blocks — choice based on student's art concentration

SENIOR YEAR

ENGLISH

AP Research, AP English Literature and Composition (Accelerated), or Literature and Composition (Accelerated/Standard)

SOCIAL STUDIES

Electives

SCIENCE

Elective example: Anatomy and Physiology

MATHEMATICS

Trigonometry (Accelerated/Standard)

FINE ARTS*

Combination of courses to make **two** or **three** full blocks — chosen to complement student's academic plan

CAPSTONE

Senior Capstone

*Students will choose courses based on their desired concentration: **Music/Theater** or **Visual Arts**.

SAMPLE 4-Year Course Selection

Career and Technical Education: Post-Secondary or Immediate Employment

For those interested in attending a 2-year or 4-year technical college or university or seeking employment

FRESHMAN YEAR

HUMANITIES

Humanities (Basic, Standard, or Accelerated)

SCIENCE

Integrated Science I (Basic, Standard, or Accelerated)

MATHEMATICS

Algebraic Foundations I (Standard) or Algebra I (Accelerated/Standard) or Algebraic Foundations II OR an ELECTIVE from any discipline if taking Algebra I (Accelerated/Standard)

TECHNICAL EDUCATION

Career Exploration

HEALTH AND WELLNESS

Health

Introduction to Physical Education

SOPHOMORE YEAR

ENGLISH

Literary Perspectives (Accelerated/Standard)

SOCIAL STUDIES

World Civilization II (Accelerated/Standard)

SCIENCE

Integrated Science II (Basic, Standard, or Accelerated)

MATHEMATICS

Geometry (Basic) or Algebra II (Accelerated/Standard)

TECHNICAL EDUCATION

Cluster Course I

Cluster Course II

ELECTIVES

Introduction to Computer Science (Standard)

Exercise Science I or II (Standard)

JUNIOR YEAR

ENGLISH

Rhetoric and Composition (Accelerated/Standard)

SOCIAL STUDIES

United States History (Basic, Standard, or Accelerated)

SCIENCE

Integrated Science III (Basic, Standard, or Accelerated)

MATHEMATICS

Algebra II (Standard) or Geometry (Accelerated/Standard)

TECHNICAL EDUCATION

Combination or Pathway courses to make **four** full blocks — choice based on student's academic plan.

SENIOR YEAR

ENGLISH

Literature and Composition (Accelerated/Standard) or Technical Communications II

SOCIAL STUDIES

Electives

SCIENCE

Elective

MATHEMATICS

Algebra III/Trig (Standard) or Trigonometry (Accelerated)

TECHNICAL EDUCATION

Combination of Pathway courses to make **four** full blocks — chosen to complement student's academic plan (may include co-op second semester).

NOTE:

Students may take an approved Learning Support Program, English as a Second Language course, or Performing Arts course as a fifth course each semester. Freshman and Sophomore students not taking a 5th course will be assigned automatically to a Study Block.