

## STUDY AREA CONCENTRATION

## **REQUIREMENTS FOR ALL TRACKS**

- Biology
- Chemistry

- Algebra I & II
- Geometry
- Precalculus

#### SUSTAINABILITY TRACK

Advisors: Amy Napoles and Alissa Svedberg

- Statistics or Calculus (AP, honors, or college prep)
- AP Environmental Science
- +2 elective credit hours as approved by your faculty mentor

#### **EXPERIMENTAL SCIENCE TRACK**

Advisors: Dr. Rachel Ramirez

- AP Chemistry or AP Physics (I, II, or C)
- Calculus (AP or honors)
- +2 elective credit hours as approved by your faculty mentor

- AP Biology
- Anatomy and Physiology
- Statistics OR Calculus (AP, honors, or college prep)
- +1 elective credit hour as approved by your faculty mentor

#### SENIOR APEX PROJECT

Students in all tracks must complete an independent Apex project in their senior year. AP Capstone projects may be substituted for this requirement.

\*Elective classes must be selected through the assistance of the faculty mentor. Dual enrollment classes may be submitted for electives with mentor approval. See next page for direct course exchanges through the University of Florida.

### PROGRAM MAP

#### **BIOMEDICAL TRACK**

Advisor: Sarah Schlussel

#### **ENGINEERING TRACK** Advisor: Scott Werner

- AP Physics I
- AP Calculus BC
- Engineering elective
- +2 elective credit hours as approved by your faculty mentor

#### **COMPUTER SCIENCE TRACK**

Advisor: Matthew Parets

- AP Computer Science A
- AP Computer Science Principles
- AP Calculus BC
- +1 elective credit hour as approved by your faculty mentor





# STUDY AREA CONCENTRATION

# UF UNIVERSITY of FLORIDA **COURSE EXCHANGES**

#### SUSTAINABILITY TRACK

Advisors: Amy Napoles and Alissa Svedberg

- Introduction to Earth Science
- Extreme Weather
- Earthquakes, Volcanoes & Other Hazards
- Wildlife Issues
- Biodiversity Conservation
- Global Perspectives

#### **EXPERIMENTAL SCIENCE TRACK**

Advisors: Dr. Rachel Ramirez

Astronomy

- Man's Food

#### **BIOMEDICAL TRACK** Advisor: Sarah Schlussel

#### • Microbes Without Borders

#### **ENGINEERING TRACK**

Advisor: Scott Werner

- College Algebra
- Trigonometry
- Precalculus Algebra
- Precalculus
- Algebra and Trigonometry
- Survey of Calculus I
- Analytic Geometry and Calculus I
- Analytic Geometry and Calculus II
- Analytic Geometry and Calculus III
- Differential Equations
- Computational Linear Algebra
- Introduction to Principles of Physics

#### **COMPUTER SCIENCE TRACK** Advisor: Matthew Parets

- Programming Fundamentals I
- Programming Fundamentals II
- Data Structures & Algorithms
- Applications & Discrete Structures
- Analytic Geometry and Calculus I
- Analytic Geometry and Calculus II
- Analytic Geometry and Calculus III
- Differential Equations
- Computational Linear Algebra

