



# Sprayberry STEM Course Checklist

## Advanced Science Pathway



Math: (All possible courses are listed) Must take courses in bold and at least AP Calculus (AB or AB/BC) and/or AP Statistics

- Algebra 1**
- Honors Geometry**
- Honors Algebra 2**
- AP Precalculus**
- AP Calc AB
- AP Calc BC
- AP Statistics
- Multivariable Calculus (Georgia Tech- Dual Enroll)

Science:

- Honors Biology
- AP Biology
- Honors Chemistry
- AP Chemistry
- AP Physics
- AP Environmental Science

Social Studies:

- World Geography or AP Human Geography
- Honors World History or AP World History
- Honors US History or APUSH
- Honors Gov/Econ or AP Gov/Econ (NOTE- This counts as 2 separate courses)

English:

- Honors 9<sup>th</sup> Lit
- Honors World Lit
- Honors American Lit or AP Lang
- Honors Advanced Composition or AP Literature

Other Requirements:

- AP Seminar (Junior year)
- AP Research (Senior year)
- Foreign Language 1
- Foreign Language 2
- Health/Personal Fitness



# Sprayberry STEM Checklist

## Computer Science Pathway

Math: (All possible courses are listed) Must take courses in bold and at least AP Calculus (AB or AB/BC) and/or AP Statistics

- Algebra 1**
- Honors Geometry**
- Honors Algebra 2**
- AP Precalculus**
- AP Calc AB*
- AP Calc BC*
- AP Statistics*
- Multivariable Calculus (Georgia Tech- Dual Enroll)

Science: (All possible courses are listed) Must take courses in bold and at least one AP

- Honors Biology**
- Honors Chem**
- Honors or AP Physics**
- AP Chemistry*
- AP Physics*
- AP Environmental Science*

Social Studies:

- World Geography or AP Human Geography
- Honors World History or AP World History
- Honors US History or APUSH
- Honors Gov/Econ or AP Gov/Econ (NOTE- This counts as 2 separate courses)

English:

- Honors 9<sup>th</sup> Lit
- Honors World Lit
- Honors American Lit or AP Lang
- Honors Advanced Composition or AP Literature

Other Requirements:

- AP Seminar (Junior year)
- AP Research (Senior year)
- Foreign Language 1
- Foreign Language 2
- Health/Personal Fitness

Pathway Requirements:

- Intro to Digital Technology
- Computer Science Principles
- AP Computer Science



# Sprayberry STEM Checklist

## Electrical Engineering Pathway



Math: (All possible courses are listed) Must take courses in bold and at least AP Calculus (AB or AB/BC) and/or AP Statistics

- Algebra 1**
- Honors Geometry**
- Honors Algebra 2**
- AP Precalculus**
- AP Calc AB*
- AP Calc BC*
- AP Statistics*
- Multivariable Calculus (Georgia Tech- Dual Enroll)

Science: (All possible courses are listed) Must take courses in bold and at least one AP

- Honors Biology**
- Honors Chem**
- Honors or AP Physics**
- AP Chemistry*
- AP Physics*
- AP Environmental Science*

Social Studies:

- World Geography or AP Human Geography
- Honors World History or AP World History
- Honors US History or APUSH
- Honors Gov/Econ or AP Gov/Econ (NOTE- This counts as 2 separate courses)

English:

- Honors 9<sup>th</sup> Lit
- Honors World Lit
- Honors American Lit or AP Lang
- Honors Advanced Composition or AP Literature

Other Requirements:

- AP Seminar (Junior year)
- AP Research (Senior year)
- Foreign Language 1
- Foreign Language 2
- Health/Personal Fitness

Pathway Requirements:

- Foundations of Electronics
- Advanced AC/DC Circuits
- Digital Electronics



# Sprayberry STEM Checklist

## Healthcare Science Pathway



Math: (All possible courses are listed) Must take courses in bold and at least AP Calculus (AB or AB/BC) and/or AP Statistics

- Algebra 1**
- Honors Geometry**
- Honors Algebra 2**
- AP Precalculus**
- AP Calc AB*
- AP Calc BC*
- AP Statistics*
- Multivariable Calculus (Georgia Tech- Dual Enroll)

Science: (All possible courses are listed) Must take courses in bold and at least one AP

- Honors Biology**
- Honors Chem**
- Honors or AP Physics**
- AP Chemistry*
- AP Physics*
- AP Environmental Science*

Social Studies:

- World Geography or AP Human Geography
- Honors World History or AP World History
- Honors US History or APUSH
- Honors Gov/Econ or AP Gov/Econ (NOTE- This counts as 2 separate courses)

English:

- Honors 9<sup>th</sup> Lit
- Honors World Lit
- Honors American Lit or AP Lang
- Honors Advanced Composition or AP Literature

Other Requirements:

- AP Seminar (Junior year)
- AP Research (Senior year)
- Foreign Language 1
- Foreign Language 2
- Health/Personal Fitness

Pathway Requirements:

- Intro to Healthcare
- Essentials of Healthcare/Honors Anatomy
- Allied Health and Medicine