JHS Pathways & Elective Course Offerings

Agriculture, Food, and Natural Resources Pathway Options

Forestry Mechanical Science
1. Basic Agricultural Science
2. Agricultural Mechanics Technology I
3. Forest Science*

Forestry/Natural Resoures Management
1. Basic Agricultural Science
2. Forest Science*
3. Natural Resources Management**

Forestry and Animal Systems
1. Basic Agricultural Science
2. Forest Science*
3. Animal Science and Biotechnology*

Veterinary Science
1. Basic Agricultural Science
2. Animal Science Technology/Biotechnology*
3. Veterinary Science

Agricultural Mechanics Systems
1. Basic Agricultural Science
2. Agricultural Mechanics Technology I
3. Agricultural Mechanics Technology II

Plant and Floriculture Systems
1. Basic Agricultural Science
2. General Horticulture & Plant Science*
3. Floriculture Production & Management**

Agricultural Mech & Metal Fab.
1. Basic Agricultural Science
2. Agricultural Mechanics Technology I
3. Agricultural Metals Fabrication

Plant and Floral Design Systems
1. Basic Agricultural Science
2. General Horticulture & Plant Science*
3. Floral Design and Management**

Healthcare Science Pathway Options

Allied Health and Medicine
1. Intro to Healthcare Science
2. Essentials of Healthcare*
3. Allied Health and Medicine

Emergency Medical Responder
1. Intro to Healthcare Science
2. Essentials of Healthcare*
3. Emergency Medical Responder

Sports Medicine
1. Intro to Healthcare Science
2. Essentials of Healthcare*
3. Sports Medicine

Pharmacy
1. Intro to Healthcare Science
2. Essentials of Healthcare*
3. Pharmacy Operations and Fundamentals

A/V Technology and Communications Pathway Options

Audio-Video Technology & Film I
1. Audio-Video technology & Film
2. Audio-Video technology & Film II
3. Audio-Video technology & Film III

Audio-Video Technology & Film II
1. Audio-Video technology & Film
2. Audio-Video technology & Film II
3. Broadcast Video Production Application

Science, Tech, Eng, & Math Pathway Options

Engineering and Technology
1. Foundations of Engineering & Technology
2. Engineering Concepts
3. Engineering Applications

Education & Training Pathway Options

Teaching as a Profession
1. Examining the Teaching Profession
2. Contemporary Issues in Education
3. Teaching as a Profession Practicum

AFJROTC Pathway Options

Govt. and Public Service/Safety
JROTC (1st semester)
JROTC (2nd semester)

Information Technology Pathway Options

Web Development
1. Introduction to Software Technology
2. Computer Science Principles *
3. Web Development*

Internet of Things
1. Introduction to Software Technology
2. Computer Science Principles*
3. Embedded Computing*

Cloud Computing
1. Introduction to Software Technology
2. Computer Science Principles*
3. Cloud Computing*

Computer Science
1. Introduction to Software Technology
2. Computer Science Principles*
3. AP Computer Science*

Business Management & Administration Pathway Options

Entrepreneurship
1. Introduction to Business & Technology
2. Legal Environment of Business
3. Entrepreneurship

Business and Technology
1. Introduction to Business and Technology
2. Business and Technology
3. Business Communications

Graphic Design Pathway Options **

Graphic Design
1. Introduction to Graphics and Design
2. Graphic Design and Production
3. Advanced Graphic Design**

Manufacturing Pathway Options **

Manufacturing
1. Introduction to Mechatronics - DC Theory Pneumatic Systems, and Programmable Logic Controllers
2. AC Theory, Electric Motors, and Hydraulic Systems
3. Semiconductors, Mechanical Systems, & Pump & Piping**

*These courses all count toward your HOPE GPA
** New courses to JHS