Humble ISD
Career and Technology
Course Flow Charts
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Middle School

Credit Only

- Career Portals (.5 credit)
  7th or 8th
- Foods for Today (.5 credit)
  7th
- Introduction to Programming (.5 credit)
  7th or 8th
- Introduction to Engineering & Technology (.5 credit)
  7th or 8th
- Introduction to S.T.E.M (.5 credit)
  7th or 8th

Middle School for High School Credit

- Touch Systems Data Entry (.5 credit)
  8th
- Principles of Hospitality and Tourism (.5 credit)
  8th
- Business Information Management I (1 credit)
  8th
- Principles of Manufacturing (.5 credit)
  8th

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Students may earn an endorsement in the agriculture cluster by successfully completing 4 or more credits from any combination of pathways above.
Architecture & Construction Cluster
Business & Industry Endorsement

Principles of Architecture and Construction
(1 credit)
9th-12th

Architectural Design Pathway

Business Information Management I
(1 credit)
9th-12th

Professional Communications
(.5 credit)
10th-12th

Engineering Design
(1 credit)
10th-12th

Architectural Design
(1 credit)
10th-12th

Advanced Architectural Design
(2 credits)
11th-12th

Practicum
(2 credits)
12th

Construction Management Pathway

Business Information Management I
(1 credit)
9th-12th

Professional Communications
(.5 credit)
10th-12th

Engineering Design
(1 credit)
10th-12th

Architectural Design
(1 credit)
10th-12th

Construction Tech
(1 credit)
10th-12th

Advanced Construction Tech
(2 credits)
11th-12th

Practicum
(2 credits)
12th

Interior Design Pathway

Business Information Management I
(1 credit)
9th-12th

Professional Communications
(.5 credit)
10th-12th

Engineering Design
(1 credit)
10th-12th

Architectural Design
(1 credit)
10th-12th

Interior Design
(1 credit)
10th-12th

Advanced Interior Design
(2 credits)
11th-12th

Practicum
(2 credits)
12th
Students may earn an endorsement in the business cluster by successfully completing 4 or more credits from any combination of pathways above.
### Education and Training Cluster

**Public Service Endorsement**

#### Education and Training

- **Principles of Education & Training**
  - (.5 credit)
  - 9th-12th

- **Business Information Management I**
  - (1 credit)
  - 9th-12th

- **Child Development**
  - (.5 credit)
  - 9th-12th

- **Professional Communications**
  - (.5 credit)
  - 10th-12th

- **Instructional Practices in Education & Training**
  - (2 credits)
  - 11th-12th

- **Practicum**
  - (2 credits)
  - 12th
Students may earn an endorsement in the finance cluster by successfully completing 4 or more credits from any combination of pathways above.
JROTC Option
Public Service Endorsement

Army Pathway
- LET I
  (1 credit)
  9th
- LET II
  (1 credit)
  10th
- LET III
  (1 credit)
  11th
- LET IV
  (1 credit)
  12th

Air Force Pathway
- Aerospace Science I
  (1 credit)
  9th-12th
- Aerospace Science II
  (1 credit)
  9th-12th
- Aerospace Science III
  (1 credit)
  9th-12th
- Aerospace Science IV
  (1 credit)
  9th-12th
- Aerospace Science Capstone Management
  (1 credit)
  12th
- Aerospace Science Rocketry
  (1 credit)
  11th-12th
- Aerospace Drill
  (1 credit)
  9th-12th

Marines Pathway
- Marine I
  (1 credit)
  9th-12th
- Marine II
  (1 credit)
  9th-12th
- Marine III
  (1 credit)
  9th-12th
- Marine IV
  (1 credit)
  9th-12th

Navy Pathway
- Navy Science I
  (1 credit)
  9th-12th
- Navy Science II
  (1 credit)
  9th-12th
- Navy Science III
  (1 credit)
  9th-12th
- Navy Science IV
  (1 credit)
  9th-12th
Students may earn an endorsement in the information technology cluster by successfully completing 4 or more credits. Students selecting either the pharm tech or LVN pathway should supplement with courses in the general health science pathway to achieve 4 credits.
Students not admitted into the capstone course for each hospitality pathway may earn an endorsement in business by successfully completing 4 or more credits from any combination of business cluster courses.
Students may earn an endorsement in the human services cluster by successfully completing 4 or more credits from any combination of the pathways above.
Students may earn an endorsement in the information technology cluster by successfully completing 4 or more credits. Students should select a pathway above and supplement with courses to achieve 4 credits.
Law, Public Safety, Corrections, & Security

Principles of Law, Public Corrections, & Security
(1 credit)
9th-12

Business Information Management I
(1 credit)
9th-12th

Professional Communications
(.5 credit)
10th-12th

Law Enforcement I
(1 credit)
10th-12th

Court Systems & Practices
(1 credit)
10th-12th

Disaster Response
(.5 credit)
10th - 12th

Forensic Science
(1 credit)
12th

Practicum
(2 credits)
12th

Indicates Limited Seating
Students may earn an endorsement in the manufacturing cluster by successfully completing 4 or more credits. If the student did not successfully complete Principles of Manufacturing in middle school, he/she may take Principles of Agriculture or Principles of Architecture.
Students may earn an endorsement in the marketing cluster by successfully completing 4 or more credits in any combination from the courses listed above.
Science, Technology, Engineering, and Mathematics (S.T.E.M.)

- Principles of Architecture and Construction
  - (1 credit)
  - 9th-12th

- Professional Communications
  - (.5 credit)
  - 10th-12th

- Principles of Physics
  - (1 credit)
  - 10th-12th

- Architectural Design
  - (1 credit)
  - 10th-12th

- Engineering Design
  - (1 credit)
  - 10th-12th

- Aerospace
  - (1 credit)
  - 10th-12th

- Concepts of Engineering & Tech
  - (1 credit)
  - 10th-12th (Pre-Req: Engineering Design)

- Robotics & Animation
  - (1 credit)
  - 11th-12th (Pre-Req: Engineering Design)

- Practicum
  - (2 credits)
  - 12th

Students may earn an endorsement in the STEM cluster by successfully completing 4 or more credits.
Transportation, Distribution, and Logistics Cluster
*Business & Industry Endorsement*

**Principles of Automotive & Collision Repair**
(1 credit)
9th-12th

**Automotive Tech Pathway**

- **Business Information Management I**
  (1 credit)
  9th -12th

- **Professional Communications**
  (.5 credit)
  10th-12th

- **Automotive Technology**
  (2 credits)
  11th and 12th

**Automotive Collision Pathway**

- **Business Information Management I**
  (1 credit)
  9th -12th

- **Professional Communications**
  (.5 credit)
  10th-12th

- **Collision Repair & Refinishing**
  (2 credits)
  10th and 12th

- **Advanced Automotive Technology**
  (2 credits)
  12th

- **Advanced Collision Repair & Refinishing**
  (2 credits)
  10th and 12th