



**Mission:** *To offer inspiration through advanced instruction and authentic experiences.*

**Instructor:** Ms. Brandi Burns

Email me at [brandi.burns@henry.k12.ga.us](mailto:brandi.burns@henry.k12.ga.us) Please allow 24 hours for a response.  
Conferences can be scheduled via the counselors between 7:45 and 8:15 am.

### **Survey of Engineering Graphics**

Survey of Engineering Graphics is the second course in the Mechanical Engineering & 3D Design Career Pathway. The course is designed to build student skills and knowledge in the field of engineering graphics/technical drafting. The course focus includes employability skills, career opportunities, applied math, working drawings that include sectional, auxiliary, detail and pictorial views, and pattern developments. In addition, elements in applied mathematics are integrated throughout the course. The prerequisite for this course is Introduction to Drafting & Design.

### **Course Objectives**

AAS Survey of Engineering Graphics associates will:

- Demonstrate industry-recognized employability skills.
- Abide by safety standards and properly use the tools and equipment in our lab.
- Analyze applied math required by business and industry for engineering graphics.
- Demonstrate purpose and correct application of sectional views.
- Demonstrate purpose and correct application of auxiliary views.
- Demonstrate purpose and correct application of pictorial views.
- Cite evidence of developments in engineering graphics and engineering.
- Understand and properly execute procedures for file management.
- Present appropriate views of an object.

#### **Required Supplies**

- Pencil
- USB drive (optional)

#### **Expectations for Academic Success**

- Attend class on time daily.
- Be professional, productive and follow **all** class expectations.
- Be productive by actively working during class & turn in all work on time.
- Respect yourself and show respect for others.
- Actively communicate by asking questions, participating in class & following directions.

- Contribute new ideas.
- Save your work in the specified area using the correct naming format.
- Refer to our work ethics rubric and class expectations documents often.

### Grade Calculation

Summative Assessments = 40%	Formative Assessments = 40%
<ul style="list-style-type: none"> <li>● Authentic learning projects, performance assessments &amp; presentations</li> </ul>	<ul style="list-style-type: none"> <li>● Practice Work: Work ethics, classwork, quizzes, practice work, employability skills</li> </ul>
<b>Culminating Final Exam/Project</b>	
Final exam/project will be 20% of the overall course grade.	

### Make-up Work

Associates who are absent are required to contact the instructor regarding make-up work. All assignments are located in the Google Classroom. The associate will have the same number of days that they are absent to complete the make-up work.

### Late Work Policy

All work is to be done when it is assigned and turned in on time. If you are present in class, but you are not working on your assignments, you will not be given an extension of time.

Deadline for all late work is 1 week after the due date because assignments build upon each other and you need to be prepared for the next assignment. A penalty of 10 points per day will be assessed on late work.

### Employability/Soft Skills

School Wide Activities:

- Dress for Success Days
- Network Luncheon
- Mock Interviews

### Career and Technical Student Organization [CTSOs]

Associates are encouraged to participate in our co-curricular TSA & SkillsUSA student organizations. There are pathway-specific contests, leadership activities and community service opportunities available to associates through CTSO participation.