

THS STEM Endorsement



Engineering (PLTW)

Program of Study: A5A



**Science,
Technology,
Engineering, and
Math**

Career Cluster

Level 1 Course



**Introduction to
Engineering**

Level 2 Course



**Engineering
Science**

Level 3 Course



**Civil Engineering
and Architecture**

Level 4 Course



**Engineering Design
and Problem
Solving**

The Engineering program of study focuses on the design, development, and use of engines, machines, and structures. CTE learners will learn how to apply science, mathematical methods, and empirical evidence to the innovation, design, construction, operation, and maintenance of different manufacturing systems.

Industry Based Certification:

- **Autodesk User in Revit Architecture**

THS STEM
Endorsement



Cybersecurity

Program of Study: A5B



**Science,
Technology,
Engineering,
and Math**

Career Cluster

Level 1 Course



**Foundations of
Cybersecurity**

Level 2 Course



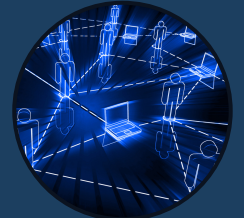
**PAP Computer
Science**

Level 3 Course



**AP Computer
Science Principles OR
Computer Maintenance**

Level 4 Course



Networking

The Cybersecurity program of study includes the occupations and educational opportunities related to planning, implementing, upgrading, or monitoring security measure for the protection of computer networks and information. This program of study may also include exploration into responding to computer security breaches and virus and administering network security measures.

Industry Based Certifications:

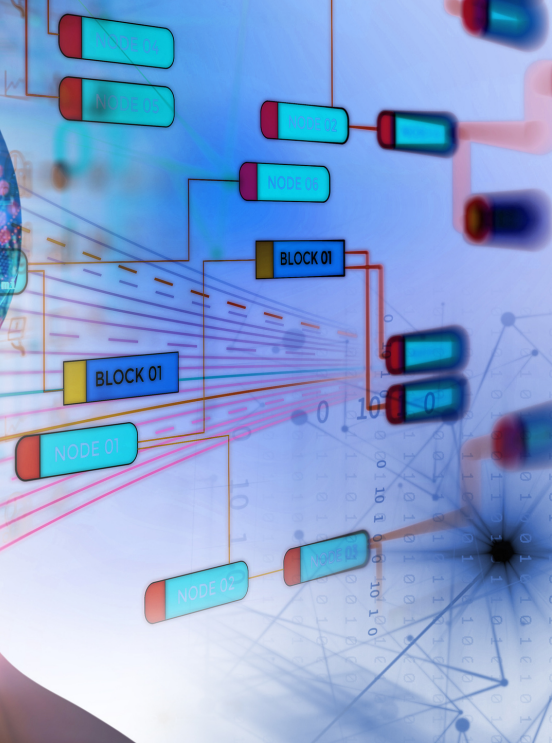
- **CompTIA Security +**
- **CompTIA A+ Certification 1101 & 1102**
- **CompTIA Network +**
- **CompTIA Server +**

DHS STEM Endorsement

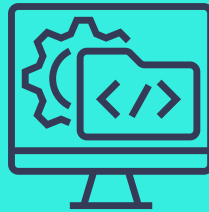
```
server_mod.use_x = False
server_mod.use_y = True
server_mod.use_z = False
elif operation == "MIRROR Z":
    mirror_mod.use_x = False
    mirror_mod.use_y = False
    mirror_mod.use_z = True

#selection at the end -add back the deselected m
mirror_ob.select = 1
modifier_ob.select = 1
bpy.context.scene.objects.active = modifier_ob
print("Selected" + str(modifier_ob)) # modifier o
mirror_ob.select = 0

time = bpy.context.scene.frame_current
bpy.data.objects[time].select = 1
```



Programming and Software Development



**Science,
Technology,
Engineering, and
Math**
Career Cluster

Program of Study: A5C

Level 1 Course



**PAP Computer
Science**

Level 2 Course



**AP Computer Science
Principles**

Level 3 Course



**AP Computer
Science A**

Level 4 Course



**Practicum of
Entrepreneurship**

The Programming and Software Development Program of Study explores the occupations and education opportunities associated with designing, developing, and testing operating systems-level software. This includes working on compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computer applications. The program of study may also include exploration into creating, modifying, and testing the codes, forms, and script that allow computer application to run.

PHS STEM Endorsement

Programming and Software Development



Program of Study: A5C

**Science,
Technology,
Engineering, and
Math**

Career Cluster

Level 1 Course



PAP Computer Science

Level 2 Course



AP Computer Science Principles

Level 3 Course



AP Computer Science A

Level 4 Course



Practicum of Entrepreneurship

The Programming and Software Development Program of Study explores the occupations and education opportunities associated with designing, developing, and testing operating systems-level software. This includes working on compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computer applications. The program of study may also include exploration into creating, modifying, and testing the codes, forms, and script that allow computer application to run.