

JEC Student Machines Shop

Hours of Operation:

Mon 9 a.m.-noon and 2-8 p.m.

Tues 9 a.m.—noon and 1-7 p.m.

Wed 10 a.m.—1 p.m. and 2-8 p.m.

Thurs 9 a.m.—noon and 2-8 p.m.

Fri 8-11 a.m. and noon-3 p.m.

Sat 11 a.m. -3 p.m.,

Sun 2-6 p.m.

Machines and Equipment:

- Haas TL 1 CNC Lathe
- Acer 3-Axis CNC Milling Machine
- Laguna Swift 4'x4' CNC Router
- Thunder Mars90 100w laser Cutter
- Snap-on Sandblaster
- General Machining and Fabrication Equipment
- Metal and Plastic Forming and Shearing Equipment
- Steel and Plastic Welding Equipment

Accessibility to students (required permission, forms, or class?):

- Open to all students
- First come, first serve basis
- Engineering Processes students have priority

Design Lab/IED

Hours of Operation:

M-F 9 am - 4 pm

IED Evening Hours

M-TH 5-9 pm

Friday 5-7 pm

Machines and Equipment:

- Haas CNC Control Simulators
- Haas Mini Mill
- Haas SL 10
- Haas Super VF 2
- Haas Tool Room Mill

- Mitutoyo Crysta-Plus M574 CMM
- Paint Booth
- General Machining and Fabrication Equipment
- Electronic Scopes and Meters

Accessibility to students (required permission, forms, or class?):

- Currently unknown

Maker Space: The Forge

Hours of Operation:



- Changes every semester
- Open whenever a volunteer is in the room

Machines and Equipment:

- 2 3D Scanners
- 1 Form 1+ 3D Printer
- 1 gCreate 3D Printer
- 1 Laser Cutter
- 1 Makerbot Mini
- 3 Makerbot Z18's
- 9 Prusa i3's
- 1 Sewing Machine

1 Taz 5
1 Taz Mini
1 Taz MOAR-Struder
1 Taz Quadfusion
1 Vinyl Cutter

Accessibility to students (required permission, forms, or class?):

- Must be a member of the Forge to use machines
- There is a fee

Manufacturing Innovation Learning Laboratory

Location:

George M. Low Center for Industrial Innovation (CII) Room 1027

Equipment:

- Haas VF 1 – CNC Milling Machine
- Haas OM-2 CNC Milling Machine
- Moore Nanotechnology Systems 350 UPL Lathe
- Hurricane Laser Cutter Category 4 Charley 80W
- Adept Cobra 800 SCARA Robot
- SONY Conveyor System
- Staubli RX 90 Robot
- Fanuc LR Mate, with Vision, Robot Educational Training System
- Stratasys Dimension FDM Machine
- Stratasys UPrint FDM Machine
- Z-Corporation Z310 3D Printer
- B-9 Creator Stereolithography Printer
- Phenix Direct Metal Selective Laser Sintering 3D Printer
- Brown and Sharpe Gage 2000 CMM
- Faro Platinum Inspection Arm
- Arburg Allrounder 270c Injection Molder
- Arburg Allrounder 221k Injection Molder
- Battenfeld Injection Molder
- Formech 660 Vacuum Former
- Flow Mach2 Abrasive Water-Jet Cutter
- Sonitek S840 Ultrasonic Welder
- Sonitek TS500 Thermal Press
- Branson Ultrasonic Welder 2000 D
- Branson Ultrasonic Welder 2000 DT
- General Machining Equipment

Accessibility to students (required permission, forms, or class?):

- Currently unknown

