

YC & MICTED - Pre-Engineering Program

at YC's Career and Technical Education Center



Monday - Thursday PM Program

PROGRAM CAP = 16 students



- Yavapai College credits are earned after completing the semester with a passing grade (C or better).
- HS credits will be awarded at the end of each semester

Pre-Engineering I and II (HS title)					
Program	Courses	Term	HS Credits	YC Credits	Industry / 3rd Party Certification available for students to complete
Year 1 PM 1:15 - 3:45	CNC 101 - CNC Machine Operator	Sem 1 - Fall	0.5	2	ISCET - Digital Electronic Certificate FANUC: Programmer, Operator HAAS Operator HAAS Tool Setter
	ELT 130 - Intro to Robotics		0.75	3	
	CNC 102 - CNC Machine Set Up	Sem 2 - Spring	0.5	2	
	ELT 183 - Digital Circuits		0.75	3	
		Total Cr Yr1	2.5	10	
Year 2 PM 1:15 - 3:45	CNC 201 - Computer Aided Programming	Sem 3 - Fall	0.5	3	Feature CAM Solid Works
	EGR 102 - Intro to Engineering NOTE: MAT 187 (Precalculus) is a pre-requisite for this course		0.75	3	
	CNC 202 - 3-D Programming	Sem 4 - Spring	0.75	4	
	MET 100 - Intro Manufacturing Tech.		0.5	4	
		Total Cr Yr2	2.5	14	
Total Credits Earned if the Program is Completed Successfully			5	24	Updated Feb. 4, 2021

If students in this program complete ten additional General Education courses during or after the completion of both years of the MICTED program, they will earn the Yavapai College Associate of Applied Science in Applied Pre-Engineering.
The additional General Education courses needed are: ENG 101, ENG 102, MAT 187, MAT 220, MAT 230, PHY 150, PHY 151, CHM 151, One Critical Thinking course, and One Behavioral or Social Science course.