



Program: Machine Tool Technology AAS (65 credits)					Division: Science/Math		
Student:				ID#:	Catalog Yr: 2017-18		
GENERAL EDUCATION REQUIREMENTS –AAS (25 credits)							
√	Course#	Course Name	Cr.	Req.	Pre-requisites	Sem.	Code^
	ORI-103*	College Success Strategies	3	X		All & OL	
	COM-121*	English Composition	3	X	COM-061 or ESL-060 and COM-051 or ESL-050/1 (C or better)	All & OL	WC/IL
	COM-141	Technical Writing	3	X	COM-121 or COM-122 (C or better)	F/Sp & OL	OC
	IFT-110*	Microcomputer Applications	3	X	MAT-020 and COM-061 or ESL-060	All & OL	TC
ARTS and HUMANITIES: 3 credits							
Select 1 course from the following:							
	ART-111	Introduction to Drawing	3	X	COM-061 or ESL-060 and COM-051 or ESL-050/1	All	AU
	ART-201	Art Appreciation	3		COM-121 or COM-122 (C or better)	All & OL	AU
	COM-110	Intro. to Creative Writing	3		COM-061 or ESL-060 and COM-051 or ESL-050/1	F/Sp & OL	AU
	ENG-125*	Introduction to Literature	3		COM-121 or COM-122 (C or better)	All & OL	AU
	PHI-271*	Philosophy	3		COM-121 or COM-122	All & OL	AU
	PHI-275*	Ethics	3		COM-121 or COM-122	F/Sp	AU
MATHEMATICS: 3 credits							
	MAT-165	Trigonometry	3	X	MAT-160 or by math placement score	OL	QR/CA
NATURAL/PHYSICAL SCIENCES: 4 credits							
	PHY-150	Applied Physics	4	X	COM 061 or ESL 060, MAT-110, -160, or -165	F/Sp	SR
SOCIAL SCIENCES: 3 credits							
	SOC-130*	Sociology	3	X	COM-061, COM-051	All & OL	CU

\*Sections of these courses offered in the Honors Program, check <https://www.racc.edu/academics/honors-program> for details.

Online (OL) may not be offered every semester. Please check the schedule.

^Code	This course fulfills the Core Competency for:
WC/IL	Written Communication/Information Literacy
OC	Oral Communication
QR/CA	Quantitative Reasoning/Critical Analysis
CU	Cultural Understanding
AU	Aesthetic Understanding
SR	Scientific Reasoning
TC	Digital/Technical Competence



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MAJOR REQUIREMENTS (40 credits)							
√	Course#	Course Name	Cr.	Req.	Pre-requisites	Sem.	Grade
	MTT-100	Basic CNC Machine Operation – OSHA Certification	5	X	MAT-020, COM-021	ALL	
	MTT-105	Introduction to Machining	3	X	MAT-020, COM-021	ALL	
	MTT-107	Engineering Graphics	2	X	MTT-132	ALL	
	MTT-110	Basic Machine Tools	3	X	MAT-020, COM-021	ALL	
	MTT-132	Blueprint Reading	3	X	MTT-105, MTT-110	ALL	
	MTT-157	Turning Technology - Level 1	3	X	MTT-105	ALL	
	MTT-158	Milling Technology - Level 1	3	X	MTT-105	ALL	
	MTT-180	CNC Programming	3	X	MAT-165	ALL	
	MTT-185	CNC Milling - Level 1	3	X	Co-requisite: MTT-212	ALL	
	MTT-212	Milling Technology - Level 2	3	X	MTT-158	ALL	
	MTT-225	Turning Technology - Level 2	3	X	MTT-157	ALL	
	MTT-272	CNC Milling - Level 2	3	X	MTT-185	ALL	
	MTT-288	CAM Programming	3	X	MTT-180	ALL	
Choose at least one elective course listed below							
	MTT-221	Grinding Technology	3		MTT-110, MTT-158	ALL	
	MTT-265	CNC Fixture Design	2		MTT-132, MTT-107, MAT-165	ALL	
	MTT-276	Advanced CNC Turning	3		MTT-180	ALL	
	MET-111	Fundamentals of Manufacturing	1		MAT 035 with a "C" or better, COM 021	ALL	

**Advisor's Contact Information:**

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