

BEAUFORT COUNTY COMMUNITY COLLEGE 2022-2023

Mechanical Engineering Technology

Curriculum Code A40320

Grade	Course Number	Course Title	P=Prerequisite C=Co-requisite	Class	Lab	Credit
Year 1		First Semester: Fall				
	ACA 111	College Student Success ¹		1	0	1
	BPR 111	Print Reading		1	2	2
	CIS 110	Introduction to Computers		2	2	3
	DFT 151	CAD I		2	3	3
	EGR 110	Intro to Engineering Tech		1	2	2
	ENG 111	Writing and Inquiry	*	3	0	3
	ISC 113	Industrial Specifications		1	0	1
		Semester Totals		11	9	15
Year 1		Second Semester: Spring				
	DFT 154	Intro Solid Modeling		2	3	3
	ENG 114	Prof Research & Reporting ²	P=ENG 111	3	0	3
	HYD 110	Hydraulics/ Pneumatics I		2	3	3
	MAC 111AB**	Machining Technology I		1	6	3
	MAC 178	CNC Turning: Operator		0	2	1
	MAC 179	CNC Milling: Operator		0	2	1
	MAT 121	Algebra/Trigonometry I	*	2	2	3
		Semester Totals		10	18	17
Year 1		Third Semester: Summer				
	MAC 111BB**	Machining Technology I	P=MAC 111AB	1	6	3
	MEC 128	CNC Machining Processes ³		2	4	4
		Semester Totals		3	10	7
Year 2		Fourth Semester: Fall				
	MAT 122	Algebra/Trigonometry II	P=MAT 121	2	2	3
	MEC 110	Introduction to CAD/CAM		1	2	2
	MEC 145	MFG Materials 1		2	3	3
	PHY 131	Physics-Mechanics		3	2	4
	PSY 150	General Psychology ⁴		3	0	3
		Semester Totals		11	9	15
Year 2		Fifth Semester: Spring				
	EGR 250	Statics/Strength of Mater		4	3	5
	EGR 285	Design Project		0	4	2
	HUM/FINE ARTS	Humanities/Fine Arts (<i>Select One</i>) ⁵	*	3	0	3
	MAC 234	Advanced Multi-Axis Machining		2	3	3
	MAC 234A	Advanced Multi-Axis Machining Lab		0	3	1
		Semester Totals		9	13	14
		Cumulative Totals				68

¹ACA 122 may be substituted.

²ENG 112 may be substituted.

³Students may substitute 4 hours of Work-Based Learning - WBL 112 & WBL 122.

⁴PSY 118 may be substituted.

⁵ART 111, ART 114, ART 115, DRA 111, ENG 131, ENG 241, HUM 115, HUM 120, HUM 121, HUM 122, HUM 160, MUS 110, MUS 112, PHI 240, REL 110, REL 211, REL 212

*See course description for prerequisite information.

**MAC 111AB and MAC111BB must be completed to receive credit for MAC 111.