

ARTICULATED PROGRAMS OF STUDY - ENGINEERING SCIENCES

Consortium:			Arizona Tech Prep				School Year:							2011-2012	
Program Area Name	Program Option	Program Area CIP	High School	High School District	Postsecondary Institution	Articulated Post-Secondary Program-CIP/Name	High School Courses	Articulated for Credit Post-Secondary Courses	Total Credits	Type of Credit				Status	Consortium
										CF	AC	DC	RC		
Engineering Sciences	A	15.0000	Barry Goldwater High School	Deer Valley Unified	Glendale Community College	15.000/Engineering	Introduction to Engineering Design Principles of Engineering	ECE/102 Engineering Analyses of Tools & Techniques (2)	2			2		In Progress	Western Maricopa
Engineering Sciences	A	15.0000	Basha High School	Chandler Unified	Mesa Community College	15.000/Engineering Techology	Introduction to Engineering Design (IED) Principles of Engineering (POE)	ECE102/ Engineering Analysis Tools and Techniques(2)	2			2		Completed	East Valley
Engineering Sciences	A	15.0000	Benson High School	Benson Unified	Central Arizona College	14.0101/Engineering	Advanced Algebra II Engineering 1 Engineering 2			CF				Completed	Cochise County
Engineering Sciences	A	15.0000	Boulder Creek High School	Deer Valley Unified	Glendale Community College	15.000/Engineering	Introduction to Engineering Design Principles of Engineering	ECE/102 Engineering Analyses of Tools & Techniques (2)	2			2		Completed	Western Maricopa
Engineering Sciences	A	15.0000	Buena High School	Sierra Vista Unified	Central Arizona College	14.0101/Engineering	Introduction to Engineering Design Digital Electronics Principles of Engineering Engineering Design and Development			CF				Completed	Cochise County

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Engineering Sciences	A	15.0000	Cactus High School	Peoria Unified	Estrella Mountain Community College	50.0404/Applied Technology	Fundamentals to Explore Engineering Sciences Application of Problem Solving Engineering Sciences Advanced Engineering Sciences Advanced Engineering Sciences - Internship	MET109/Machine Trades Print Reading (3) MET220/Fund. of Coordinate Measuring Machines (3) MET230/Teamwork Dynamics in Manufact. (2) MET231/Manufact. Process & Materials (3) MET286AE/Solid Design I: Part Model: Solid Works (3) MET288AE/Solid Design II: ADV. Part Modeling: Solid Works (3)	17				17	Completed	Western Maricopa
Engineering Sciences	A	15.0000	Canyon Del Oro High School	Amphitheater Unified	PCC - Downtown Campus	15.0300/Technology	Engineering Physics I			CF				Completed	Pima/Santa Cruz
Engineering Sciences	A	15.0000	Catalina Foothills High School	Catalina Foothills Unified	PCC - Downtown Campus	15.0300/Technology	Intro to Engineering Design Digital Electronics			CF				Completed	Pima/Santa Cruz
Engineering Sciences	A	15.0000	Centennial High School	Peoria Unified	Glendale Community College	15.000/Engineering	Introduction to Engineering Design Principles of Engineering	ECE/102 Engineering Analyses of Tools & Techniques (2)	2			2	Completed	Western Maricopa	
Engineering Sciences	A	15.0000	Cortez High School	Glendale Union High School Dist.	Glendale Community College	15.000/Engineering	Engineering Sciences 1-2 Engineering Sciences 3-4 Adv. Engineering Sciences	ECE102/Engineering Analysis Tools & Technology (4)	3			3	In Progress	Western Maricopa	
Engineering Sciences	A	15.0000	Deer Valley High School	Deer Valley Unified	Glendale Community College	15.000/Engineering	Introduction to Engineering Design Principles of Engineering	ECE102/Engineering Analysis Tools & Technology (2)	2		2		Completed	Western Maricopa	

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Engineering Sciences	A	15.0000	Desert Ridge High School	Gilbert Unified	Chandler-Gilbert Community College	15.000/Engineering Technology	Intro Engineering & Des Principles of Engineering Digital Electronics Eng Des & Dev			CF				Completed	East Valley
Engineering Sciences	A	15.0000	Desert View High School	Sunnyside Unified	PCC - Downtown Campus	15.0300/Technology	Intro to Engineering Principles of Engineering Digital Engineering			CF				Completed	Pima/Santa Cruz
Engineering Sciences	A	15.0000	Douglas High School	Douglas Unified	Central Arizona College	14.0101/Engineering	PLTW Intro To Engineering Design PLTW Principles of Engineering Aerospace Engineering			CF				Completed	Cochise County
Engineering Sciences	A	15.0000	Flowing Wells High School	Flowing Wells Unified	PCC - Downtown Campus	15.0300/Technology	Algebra 3,4 Honors Engineering Math Advanced Engineering Math Calculus AP			CF				Completed	Pima/Santa Cruz
Engineering Sciences	A	15.0000	Higley High School	Higley Unified	Chandler-Gilbert Community College	14.3601/Manufacturing Engineering Technology	Honors Introduction to Engineering Design Honors Principles of Engineering			CF				Completed	East Valley
Engineering Sciences	A	15.0000	Horizon High School	Paradise Valley Unified	Glendale Community College	15.0000/Engineering	Intro. To Engineering 1 & 2	ECE102/Engineering Analysis Tools & Technology (4)	4			4		Completed	Western Maricopa
Engineering Sciences	A	15.0000	Independence High School	Glendale Union High School Dist.	Glendale Community College	15.0000/Engineering	Engineering 1-2	ECE102/Engineering Analysis Tools & Technology (2)	2			2		In Progress	Western Maricopa

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Engineering Sciences	A	15.0000	Ironwood High School	Peoria Unified	Gateway Community College	50.0404/Applied Technology	Intro to Engineering Design Principles of Engineering Engineering & Manufacturing Processes Engineering Design & Development CTE Internship-Engineering	MET109/Machine Trades Print Reading (3) MET231/Manufact. Process & Materials (3) MET286AE/Solid Design I: Part Model: Solid Works (3) MET288AE/Solid Design II: ADV. Part Modeling: Solid Works (3)	12				12	Completed	Western Maricopa
Engineering Sciences	A	15.0000	Liberty High School	Peoria Unified	Gateway Community College	50.0404/Applied Technology	Intro to Engineering Design Principles of Engineering Engineering Manufacturing & Processes Engineering Design & Development CTE Internship-Engineering Sciences	MET109/Machine Trades Print Reading (3) MET231/Manufact. Process & Materials (3) MET286AE/Solid Design I: Part Model: Solid Works (3) MET288AE/Solid Design II: ADV. Part Modeling: Solid Works (3)	12				12	Completed	Western Maricopa
Engineering Sciences	A	15.0000	Mingus Union High School	Mingus Union High School Dist.	Yavapai College	14.0102/Pre-Engineering	Pre Engineering 1 Pre Engineering 2			CF				Completed	Yavapai County
Engineering Sciences	A	15.0000	Moon Valley High School	Glendale Union High School Dist.	Glendale Community College	15.0000/Engineering	Engineering Sciences 1-2	ECE102/Engineering Analysis Tools & Technology (2)	2				2	In Progress	Western Maricopa
Engineering Sciences	A	15.0000	Mountain Pointe High School	Tempe Union High School Dist.	Rio Salado Community College	15.0403/Industrial Operations Technology	Electrical Engineering Option B Program sequence completed at EVIT	CIS 162AB C++: Level I (3)	3				3	Completed	East Valley
Engineering Sciences	A	15.0000	Mountain Ridge High School	Deer Valley Unified	Rio Salado Community College	50.0404/Applied Technology	Introduction to Engineering Principles of Engineering	MET109/Machine Trades Print Reading (3)	3				3	In Progress	Western Maricopa

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Engineering Sciences	A	15.0000	Mountain View High School	Mesa Unified	Mesa Community College	15.0403/Industrial Operations Technology	Applications of Problem Solving in Engineering Sciences Aerospace/Mechanical Engineering Option A			CF				Completed	East Valley
Engineering Sciences	A	15.0000	Mountain View High School	Mesa Unified	PCC - Downtown Campus	15.0300/Technology	Pre-Engineering Engineering Fundtls 3,4 Engineering Apps 5,6 Engineering Sci Intern			CF				Completed	Pima/Santa Cruz
Engineering Sciences	A	15.0000	North Canyon High School	Paradise Valley Unified	Rio Salado Community College	15.0000/Engineering	Intro. To Engineering 1 & 2	ECE1012/Origins of Science & Engineering	3			3		Completed	Western Maricopa
Engineering Sciences	A	15.0000	Palo Verde High Magnet School	Tucson Unified	PCC - Downtown Campus	15.0300/Technology	Exploring Engineering 1,2 Prob Solving & Engr Design 1,2	TEC100/Intro & Overview of Electronics (3)	3			3		Completed	Pima/Santa Cruz
Engineering Sciences	A	15.0000	Palo Verde High Magnet School	Tucson Unified	PCC - Downtown Campus	15.0300/Technology	Project Engineering 1,2 Engineering Research & Dvlpmt 1,2	TEC104/Intro to Robotics (3)	3			3		Completed	Pima/Santa Cruz
Engineering Sciences	A	15.0000	Paradise Valley-Star Tech	Paradise Valley Unified	Glendale Community College	15.0000/Engineering	Intro. To Engineering App. Of Problem Solving in Engineering	ECE102/Engineering Analysis Tools & Technology (4)	4			4		In Progress	Western Maricopa

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Engineering Sciences	A	15.0000	Peoria High School	Peoria Unified	Glendale Community College	50.0404/Applied Technology	Intro to Engineering Design	MET109/Machine Trades Print Reading (3) MET220/Fund. of Coordinate Measuring Machines (3) MET230/Teamwork Dynamics in Manufact. (2) MET231/Manufact. Process & Materials (3) MET286AE/Solid Design I: Part Model: Solid Works (3) MET288AE/Solid Design II: ADV. Part Modeling: Solid Works (3)	17				17	Completed	Western Maricopa
Engineering Sciences	A	15.0000	Raymond S. Kellis	Peoria Unified	Gateway Community College	50.0404/Applied Technology	Intro to Engineering Design Principles of Engineering Engineering Manufacturing & Processes Engineering Design & Development CTE Internship-Engineering Sciences	MET109/Machine Trades Print Reading (3) MET231/Manufact. Process & Materials (3) MET286AE/Solid Design I: Part Model: Solid Works (3) MET288AE/Solid Design II: ADV. Part Modeling: Solid Works (3)	12				12	Completed	Western Maricopa
Engineering Sciences	A	15.0000	Red Mountain High School	Mesa Unified	Mesa Community College	14.3601/Manufacturing Engineering Technology	IT 41 - Introduction to Engineering Design/Red Mtn IT 43 Principles of Engineering			CF				Completed	East Valley
Engineering Sciences	A	15.0000	Sabino High School	Tucson Unified	PCC - Downtown Campus	15.0300/Technology	Exploring Engineering 1,2 Prob Solving & Engr Design 1,2	TEC100/Intro & Overview of Electronics (3)	3				3	Completed	Pima/Santa Cruz
Engineering Sciences	A	15.0000	Sahuarita High School	Sahuarita Unified	PCC - Downtown Campus	15.0300/Technology	Engineering Sciences			CF				Completed	Pima/Santa Cruz

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Engineering Sciences	A	15.0000	Sandra Day O'Connor High School	Deer Valley Unified	Glendale Community College	15.000/Information Technology	Intro. To Engineering Design Principles of Engineering	ECE102/Engineering Analysis Tools & Technology (2)	2		2			Completed	Western Maricopa
Engineering Sciences	A	15.0000	Shadow Ridge High School	Dysart Unified	Glendale Community College	50.0404/Applied Technology	Foundations of Technology 1 Foundations of Technology 2	MET109/Machine Trades Print Reading (3)	3		3			Completed	Western Maricopa
Engineering Sciences	A	15.0000	Sunnyslope High School	Glendale Union High School Dist.	Glendale Community College	15.0000/Engineering	Engineering Sciences 1-2	ECE102/Engineering Analysis Tools & Technology (2)	2			2		In Progress	Western Maricopa
Engineering Sciences	A	15.0000	Sunrise Mountain High School	Peoria Unified	Gateway Community College	50.0404/Applied Technology	Intro to Engineering Design Principles of Engineering Manufacturing & Processes Engineering Design & Development CTE Internship-Engineering Sciences	MET109/Machine Trades Print Reading (3) MET231/Manufact. Process & Materials (3) MET286AE/Solid Design I: Part Model: Solid Works (3) MET288AE/Solid Design II: ADV. Part Modeling: Solid Works (3)	12			12		Completed	Western Maricopa
Engineering Sciences	A	15.0000	Tucson Magnet High School	Tucson Unified	PCC - Downtown Campus	15.0300/Technology	Exploring Engineering 1/2 Problem Solving & Engineering Design 1/2 Project Engineering 1/2 Engineering Internship	TEC100/Intro & Overview of Electronics (3)	3			3		Completed	Pima/Santa Cruz
Engineering Sciences	A	15.0000	Vail High School	Vail Unified	PCC - Downtown Campus	15.0300/Technology	Engineering I Engineering II Engineering III			CF				Completed	Pima/Santa Cruz

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Engineering Sciences	A	15.0000	Verrado High School	Agua Fria Union High School Dist.	Gateway Community College	50.0404/Applied Technology	Introduction to Engineering Principles of Engineering Digital Electronics Computer Integrated Manufacturing (CIM) Engineering Design & Development	MET109/Machine Trades Print Reading (3) MET220/Fund. of Coofdinate Measuring Machines (3) MET230/Teamwork Dynamics in Manufacturing (2) MET231/Manufactruing Process & Materials (3) MET286AE/Solid Design I: Part Model: Solid Works (3) MET288AE/Solid Design II: Adv. Part Modeling: Solid Works (3)	17		17			Completed	Western Maricopa
Engineering Sciences	A	15.0000	Verrado High School	Agua Fria Union High School Dist.	Gateway Community College	50.0404/Applied Technology	Introduction to Engineering Principles of Engineering Digital Electronics Computer Integrated Manufacturing (CIM) Engineering Design & Development	MET109/Machine Trades Print Reading (3) MET220/Fund. of Coofdinate Measuring Machines (3) MET230/Teamwork Dynamics in Manufacturing (2) MET231/Manufactruing Process & Materials (3) MET286AE/Solid Design I: Part Model: Solid Works (3) MET288AE/Solid Design II: Adv. Part Modeling: Solid Works (3)	17		17			Completed	Western Maricopa
Engineering Sciences	A	15.0000	Wickenburg High School	Wickenburg Unified	Glendale Community College	15.0000/Engineering	Introduction to Engineering Design Algebra II Principles of Engineering Engineering Design & Development	ECE/102 Engineering Analyses of Tools & Techniques (2)	2			2		Completed	Western Maricopa