Oak Ridge High School College, Career, and Technical Education Academies

Alignment to Oak Ridge Schools Key 7 is indicated in **bold**. Key 7 states "All students participate in a dual enrollment, AP Coursework, industry certification, or military preparation program by graduation

Advanced Manufa	acturing Academy	- Key 7 in Bold		
Year	1	2	3	4
Welding	Welding I Intro to Welding	Welding II Principles of Welding	Dual Enrollment Welding + American Welding Society Cert DE w/TCAT Knoxville	
	option for Mechatronics Enginee unity to graduate high school wit	ering for the Jr/Sr years. Students th an A.A.S degree.	attend RSCC classes for ½ day ar	nd high school classes for ½
Arts. A/V Technol	ogy & Communica	tions Academy - <i>Ke</i>	v 7 in Bold	
Year	1	2	3	4
Broadcasting	Broadcasting I	Broadcasting II Dual Credit with Pellissippi State CC	Broadcasting III	Applied Arts Practicum
Digital Arts	Digital Arts I	Digital Arts II Adobe Certified Associate Certifications	Digital Arts III Adobe Certified Associate Certifications	
For Additional Credit—Visual	Art and AP Studio Art			
Business Academy	y - Key 7 in Bold			
Year	1	2	3	4
Accounting	Introduction to Business and Marketing	Accounting I (Honors option)	Accounting II (Honors option)	Advanced Placement Statistics
Entrepreneurship		Marketing and Management	Entrepreneurship	Virtual Enterprise
Business Management		Accounting I (Honors option)	Business Management	Co-op/Work-Based Learning
Office Management	Microsoft Office 1A/1B Microsoft Office Certification	Business Communication		Advanced Computer Applications Microsoft Office Certification Dual Credit with Pellissippi State CC or Roane State CC
For Additional Credit—Micros	oft Office 1A/1B satisfies one of	three credits required for an elect	ive focus when taken in conjunct	ion with other Business
Education & Train	ing Academy - <i>Key</i>	7 in Bold		
Year	1	2	3	4
Early Childhood Education Careers	Early Childhood Education Careers I	Early Childhood Education Careers II	Early Childhood Education Careers III Dual Enrollment w/ Roane State CC	Early Childhood Education Careers IV Work-Based Learning Practicum
For Additional Credit Persona	al Finance			

Year	ademy - <i>Key 7 in E</i>	2	3	4
Nursing Services	No Freshman Courses	Anatomy & Physiology	Anatomy & Physiology	Dual Enrollment
		Honors or Medical	Honors or Medical	Nursing Services Certified Nursing Associat
		Therapeutics	Therapeutics	DE w/Tennessee College
				Applied Technology
Therapeutic		Anatomy & Physiology	Anatomy & Physiology	Clinical Internship
Services		Honors or	Honors or	Dual Enrollment w/ Roan
		Rehabilitation Careers	Rehabilitation Careers	State CC
				Pharmacological Sci.
				Industry Certification
Sports and		Anatomy & Physiology	Anatomy & Physiology	Clinical Internship
Human		Honors or	Honors or	Dual Enrollment w/ Roan
Performance		Rehabilitation Careers	Rehabilitation Careers	State CC
				Pharmacological Sci.
				Industry Certification
Health Services		Introduction to Business	Business Management	DE Health Information
Administration		and Marketing		Technology (Independen
				Study eCampus at RSCC
T & Cyber Securit	y Academy - <i>Key</i>	7 in BOLD		
Year	1	2	3	4
Programming	Coding A and Coding B	AP Computer Science	AP Computer Science	Students are encouraged
Programming	Couling A ariu Couling B			
Programming	Couling A and Couling B	Principles		to pursue Duai Enrollmer
Programming	Couling A and Couling B	Principles		
Middle Technical College is an	o o	ne Jr/Sr years. Students attend R	SCC classes for ½ day and high scl	and certifications below.
Middle Technical College is an Students have the opportunit	option for Cyber Security for tl	ne Jr/Sr years. Students attend R an A.A.S degree.	SCC classes for ½ day and high sch	to pursue Dual Enrollmen and certifications below.
Middle Technical College is an Students have the opportunit	option for Cyber Security for the young to graduate high school with a by Design- Key 7	ne Jr/Sr years. Students attend R an A.A.S degree. in BOLD 2	3	and certifications below. nool classes for ½ day.
Middle Technical College is an Students have the opportunit STEM Engineering	option for Cyber Security for tl y to graduate high school with a	ne Jr/Sr years. Students attend R an A.A.S degree. in BOLD	,	and certifications below.
Middle Technical College is an Students have the opportunit STEM Engineering	option for Cyber Security for the young to graduate high school with a by Design- Key 7	ne Jr/Sr years. Students attend R an A.A.S degree. in BOLD 2	3	and certifications below. nool classes for ½ day.
Middle Technical College is an Students have the opportunit	option for Cyber Security for the year of	ne Jr/Sr years. Students attend R an A.A.S degree. in BOLD 2	3 Advanced Technological Applications	and certifications below. nool classes for ½ day. 4 Engineering Design
Middle Technical College is an Students have the opportunit STEM Engineering	option for Cyber Security for the securi	ne Jr/Sr years. Students attend R an A.A.S degree. in BOLD 2 Technological Design AutoDESK	3 Advanced Technological Applications AutoDESK	and certifications below. nool classes for ½ day. 4 Engineering Design AutoDESK
Middle Technical College is an Students have the opportunit STEM Engineering	option for Cyber Security for the securi	ne Jr/Sr years. Students attend R an A.A.S degree. in BOLD 2 Technological Design AutoDESK OSHA-10	3 Advanced Technological Applications AutoDESK OSHA-10	and certifications below. nool classes for ½ day. 4 Engineering Design AutoDESK OSHA-10
Middle Technical College is an Students have the opportunit STEM Engineering	option for Cyber Security for the securi	ne Jr/Sr years. Students attend R an A.A.S degree. in BOLD 2 Technological Design AutoDESK	3 Advanced Technological Applications AutoDESK	and certifications below. nool classes for ½ day. 4 Engineering Design AutoDESK
Middle Technical College is an Students have the opportunit STEM Engineering	option for Cyber Security for the securi	ne Jr/Sr years. Students attend R an A.A.S degree. in BOLD 2 Technological Design AutoDESK OSHA-10	3 Advanced Technological Applications AutoDESK OSHA-10	and certifications below. nool classes for ½ day. 4 Engineering Design AutoDESK OSHA-10
Middle Technical College is an Students have the opportunit STEM Engineering	option for Cyber Security for the securi	ne Jr/Sr years. Students attend R an A.A.S degree. in BOLD 2 Technological Design AutoDESK OSHA-10	3 Advanced Technological Applications AutoDESK OSHA-10 Snap-on (PMI)	and certifications below. nool classes for ½ day. 4 Engineering Design AutoDESK OSHA-10 Snap-on (PMI)
Middle Technical College is an Students have the opportunit STEM Engineering ingineering	option for Cyber Security for the securi	ne Jr/Sr years. Students attend R an A.A.S degree. in BOLD 2 Technological Design AutoDESK OSHA-10	3 Advanced Technological Applications AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCAT	and certifications below. nool classes for ½ day. 4 Engineering Design AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCA
Middle Technical College is an Students have the opportunit STEM Engineering	option for Cyber Security for the securi	ne Jr/Sr years. Students attend R an A.A.S degree. in BOLD 2 Technological Design AutoDESK OSHA-10	3 Advanced Technological Applications AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCAT DE Advanced	and certifications below. nool classes for ½ day. 4 Engineering Design AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCA DE Advanced
Middle Technical College is an Students have the opportunit STEM Engineering	option for Cyber Security for the securi	ne Jr/Sr years. Students attend R an A.A.S degree. in BOLD 2 Technological Design AutoDESK OSHA-10	3 Advanced Technological Applications AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCAT DE Advanced Manufacturing with RSCC	and certifications below. nool classes for ½ day. 4 Engineering Design AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCA DE Advanced Manufacturing with RS
Middle Technical College is an Students have the opportunit STEM Engineering and sechnology	option for Cyber Security for the securi	ne Jr/Sr years. Students attend R an A.A.S degree. in BOLD 2 Technological Design AutoDESK OSHA-10 Snap-on (PMI)	3 Advanced Technological Applications AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCAT DE Advanced	and certifications below. nool classes for ½ day. 4 Engineering Design AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCA DE Advanced
Middle Technical College is an Students have the opportunit STEM Engineering Ingineering and Technology	poption for Cyber Security for the security to graduate high school with a security for the	ne Jr/Sr years. Students attend R an A.A.S degree. in BOLD 2 Technological Design AutoDESK OSHA-10 Snap-on (PMI)	3 Advanced Technological Applications AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCAT DE Advanced Manufacturing with RSCC (MECH/Robotics)	and certifications below. anool classes for ½ day. 4 Engineering Design AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCA DE Advanced Manufacturing with RS (MECH?Robotics)
Middle Technical College is an Students have the opportunit STEM Engineering and sechnology	option for Cyber Security for the securi	ne Jr/Sr years. Students attend R an A.A.S degree. in BOLD 2 Technological Design AutoDESK OSHA-10 Snap-on (PMI)	3 Advanced Technological Applications AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCAT DE Advanced Manufacturing with RSCC	and certifications below. nool classes for ½ day. 4 Engineering Design AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCA DE Advanced Manufacturing with RS
Middle Technical College is an Students have the opportunit TEM Engineering and echnology	poption for Cyber Security for the security to graduate high school with a security for the	ne Jr/Sr years. Students attend R an A.A.S degree. in BOLD 2 Technological Design AutoDESK OSHA-10 Snap-on (PMI)	3 Advanced Technological Applications AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCAT DE Advanced Manufacturing with RSCC (MECH/Robotics) 3 Dual Enrollment	and certifications below. anol classes for ½ day. 4 Engineering Design AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCA DE Advanced Manufacturing with RS (MECH?Robotics) 4 Dual Enrollment
Middle Technical College is an Students have the opportunit STEM Engineering Engineering and Technology	poption for Cyber Security for the security to graduate high school with a security for the	ne Jr/Sr years. Students attend R an A.A.S degree. in BOLD 2 Technological Design AutoDESK OSHA-10 Snap-on (PMI)	Advanced Technological Applications AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCAT DE Advanced Manufacturing with RSCC (MECH/Robotics) 3 Dual Enrollment Automotive Maintenance	and certifications below. and certifications below. 4 Engineering Design AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCA DE Advanced Manufacturing with RS (MECH?Robotics) 4 Dual Enrollment Automotive Maintenance
Middle Technical College is an Students have the opportunit STEM Engineering Engineering and Technology Fransportation A Year	poption for Cyber Security for the security to graduate high school with a security for the	ne Jr/Sr years. Students attend R an A.A.S degree. in BOLD 2 Technological Design AutoDESK OSHA-10 Snap-on (PMI)	3 Advanced Technological Applications AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCAT DE Advanced Manufacturing with RSCC (MECH/Robotics) 3 Dual Enrollment Automotive Maintenance & Light Repair	and certifications below. and certifications below. 4 Engineering Design AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCA DE Advanced Manufacturing with RS (MECH?Robotics) 4 Dual Enrollment Automotive Maintenance & Light Repair
Middle Technical College is an Students have the opportunit STEM Engineering Engineering and Technology Fransportation A Year	poption for Cyber Security for the security to graduate high school with a security for the	ne Jr/Sr years. Students attend R an A.A.S degree. in BOLD 2 Technological Design AutoDESK OSHA-10 Snap-on (PMI)	3 Advanced Technological Applications AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCAT DE Advanced Manufacturing with RSCC (MECH/Robotics) 3 Dual Enrollment Automotive Maintenance & Light Repair DE w/Tennessee College of	and certifications below. and certifications below. 4 Engineering Design AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCA DE Advanced Manufacturing with RS (MECH?Robotics) 4 Dual Enrollment Automotive Maintenance & Light Repair DE w/Tennessee College
Middle Technical College is an Students have the opportunit STEM Engineering Engineering and Technology Fransportation A Year	poption for Cyber Security for the security to graduate high school with a security for the	ne Jr/Sr years. Students attend R an A.A.S degree. in BOLD 2 Technological Design AutoDESK OSHA-10 Snap-on (PMI)	3 Advanced Technological Applications AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCAT DE Advanced Manufacturing with RSCC (MECH/Robotics) 3 Dual Enrollment Automotive Maintenance & Light Repair DE w/Tennessee College of Applied Technology	and certifications below. and certifications below. 4 Engineering Design AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCA DE Advanced Manufacturing with RS (MECH?Robotics) 4 Dual Enrollment Automotive Maintenance & Light Repair DE w/Tennessee College Applied Technology
Middle Technical College is an Students have the opportunit STEM Engineering Engineering and Technology Fransportation A Year	poption for Cyber Security for the security to graduate high school with a security for the	ne Jr/Sr years. Students attend R an A.A.S degree. in BOLD 2 Technological Design AutoDESK OSHA-10 Snap-on (PMI)	3 Advanced Technological Applications AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCAT DE Advanced Manufacturing with RSCC (MECH/Robotics) 3 Dual Enrollment Automotive Maintenance & Light Repair DE w/Tennessee College of Applied Technology Automotive Service	and certifications below. and certifications below. 4 Engineering Design AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCA DE Advanced Manufacturing with RS (MECH?Robotics) 4 Dual Enrollment Automotive Maintenance & Light Repair DE w/Tennessee College Applied Technology Automotive Service
Middle Technical College is an Students have the opportunit STEM Engineering Engineering and Technology Fransportation A Year	poption for Cyber Security for the security to graduate high school with a security for the	ne Jr/Sr years. Students attend R an A.A.S degree. in BOLD 2 Technological Design AutoDESK OSHA-10 Snap-on (PMI)	3 Advanced Technological Applications AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCAT DE Advanced Manufacturing with RSCC (MECH/Robotics) 3 Dual Enrollment Automotive Maintenance & Light Repair DE w/Tennessee College of Applied Technology Automotive Service Excellence Certification	and certifications below. and certifications below. 4 Engineering Design AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCA DE Advanced Manufacturing with RS (MECH?Robotics) 4 Dual Enrollment Automotive Maintenance & Light Repair DE w/Tennessee College Applied Technology Automotive Service Excellence Certification
Middle Technical College is an Students have the opportunit STEM Engineering Engineering and Technology Fransportation A Year	poption for Cyber Security for the security to graduate high school with a security for the	ne Jr/Sr years. Students attend R an A.A.S degree. in BOLD 2 Technological Design AutoDESK OSHA-10 Snap-on (PMI)	3 Advanced Technological Applications AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCAT DE Advanced Manufacturing with RSCC (MECH/Robotics) 3 Dual Enrollment Automotive Maintenance & Light Repair DE w/Tennessee College of Applied Technology Automotive Service	and certifications below. and certifications below. 4 Engineering Design AutoDESK OSHA-10 Snap-on (PMI) DE Advanced Manufacturing w/TCA DE Advanced Manufacturing with RS (MECH?Robotics) 4 Dual Enrollment Automotive Maintenance & Light Repair DE w/Tennessee College Applied Technology

^{*}The courses below are taken either as independent study or through Middle Technical College.

Upon completion of these courses, the credit added to the high school transcript.

CompTIA Network+ Certification Prep CITC 1302 | CompTIA A+ Certification Prep CITC 1331

CompTIA LINUX Certification Prep CITC 1333 | CompTIA Security+ Certification Prep CITC 2326