

Richland One CTE Completer Clusters and Majors (Programs of Study)

Agriculture, Food & Natural Resources - David Prigge		Credentials	Schools	MTC
Horticulture (010601) (Four Unit Completer)	5650 Introduction to Horticulture (Required) 5652 Horticulture for the Workplace 1 (Required) 5653 Horticulture for the Workplace 2 5672 Nursery, Greenhouse and Garden Center Technology 5690 Agriculture, Food and Natural Resources Internship, work-based credit	-Plant Science Certification -Microburst EmployABILITY Soft Skills Certification -OSHA 10 General	HCTC	
Plant and Animal Systems (011101) (Four Unit Completer)	5624 Agricultural Science and Technology (Required) 5608 Animal Science for the Workplace 1 (Required) 5609 Animal Science for the Workplace 2 5613 Introduction to Verterinary Science 5690 Agriculture, Food and Natural Resources Internship, work-based credit	-Fundamentals of Animal Science -Microburst EmployABILITY Soft Skills Certification -OSHA 10 General	WJKHS	
Architecture & Construction - David Prigge		Credentials	Schools	MTC
Building Construction Cluster (460000) (Four Unit Completer)	6001 Introduction to Construction 6060 Building Construction Cluster 1 (Required) 6061 Building Construction Cluster 2 (Required) 6062 Building Construction Cluster 3 6299 Architecture and Construction Internship, work-based credit	-Microburst EmployABILITY Soft Skills Certification -NCCER Core -OSHA 10 General	HCTC	
Arts, Audio-Visual Technology and Communications - Andrea Hallmon-Lucas		Credentials	Schools	MTC
Media Technology (100299) (Four Unit Completer)	6124 Media Technology 1 (Required) 6125 Media Technology 2 (Required) 6126 Media Technology 3 5290 Art, Audio-Video Technology and Communications Internship, work-based credit	-Adobe -Microburst EmployABILITY Soft Skills Certification -OSHA 10 General	HCTC	
Business, Management & Administration - Andrea Hallmon-Lucas		Credentials	Schools	MTC
Administrative Services (520401) (Three Unit Completer)	5122 Administrative Support Technology (Required) 5020 Integrated Business Applications 1 (Required - No CS) 5400 Entrepreneurship 5490 Business Management and Adminstration Internship, work-based credit	-Microburst EmployABILITY Soft Skills Certification -OSHA 10 General	HCTC	
Business Information Management (521206) (Three Unit Completer)	5176 Digital Publication Design (Required) 5340 Image Editing (Required) 5031 Fundamentals of Web Page Design and Development 5001 Accounting 1 5400 Entrepreneurship 5020 Integrated Business Applications 1 (No CS)	-Adobe -Microburst EmployABILITY Soft Skills Certification -OSHA 10 General	ACFHS	
General Management (520201) (Three Unit Completer)	5001 Accounting 1 (Required) 5400 Entrepreneurship (Required) 5273 Business Finance 5032 Global Business* 5044 Business Law* 5031 Fundamentals of Web Page Design and Development* 5150 Virtual Enterprise 1* 5151 Virtual Enterprise 2 5421 Marketing* 5020 Integrated Business Applications 1 (No CS)*	-Adobe -Microburst EmployABILITY Soft Skills Certification -OSHA 10 General	CAJHS, DHS, LRHS, WJKHS	

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<p>Operations Management (520204) (Three Unit Completer)</p>	<p>5150 Virtual Enterprise 1 (Required) 5151 Virtual Enterprise 2 (Required) 5032 Global Business 5001 Accounting 1 5400 Entrepreneurship 5020 Integrated Business Applications 1 (No CS) 5490 Business Management and Administration Internship, work-based credit</p>	<p>-Microburst EmployABILITY Soft Skills Certification -OSHA 10 General</p>	<p>ECHS, WJKHS</p>
<p>Education & Training - Anita Stroman</p>		<p>Credentials</p>	<p>Schools</p>
<p>Early Childhood Education (131210) (Four Unit Completer)</p>	<p>5700 Early Childhood Education 1 (Required) 5701 Early Childhood Education 2 (Required) * 5702 Introduction to Early Childhood Education 1 5800 Child Development 1 5808 Family and Consumer Science 1</p>	<p>-Microburst EmployABILITY Soft Skills Certification -OSHA 10 General -ParaPro Assessment</p>	<p>ECHS</p>

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Finance - Andrea Hallmon-Lucas		Credentials	Schools	
Banking Services (520803) (Three Unit Completer)	5271 Banking Services (Required) 5273 Business Finance (Required) 5131 Personal Finance 5400 Entrepreneurship	-Microburst EmployABILITY Soft Skills Certification -OSHA 10 General	CHS, DHS	
Business Finance (520804) (Three Unit Completer)	5001 Accounting 1 (Required) 5273 Business Finance (Required) 5005 Accounting 2 5131 Personal Finance 5400 Entrepreneurship 5271 Banking Services 5044 Business Law	-Microburst EmployABILITY Soft Skills Certification -OSHA 10 General	DHS, LRHS	
Government & Public Administration (NEWLY CREATED) - Anita Stroman		Credentials	Schools	MTC
Governance (440501) (Three Unit Completer)	6570 Foundations of Leadership (Required) 6572 Community and Regional Planning (Required) 5044 Business Law 6580 Government and Public Administration Internship, work-based credit	-Leadership Principles 1 & 2 (Precision Exams)	WJKHS	
Health Science - Andrea Hallmon-Lucas		Credentials	Schools	MTC
Biomedical Science (260102) (Three Unit Completer)	5581 PLTW Human Body Systems (Required) 5580 PLTW Principles of Biomedical Science (Required) 5582 PLTW Medical Interventions 5583 PLTW Biomedical Innovations	-Healthcare Providers Basic Life Support (BLS) -Microburst EmployABILITY Soft Skills Certification -OSHA 10 General	CHS, CAJHS	
Health Science (510000) (Three Unit Completer)	5550 Health Science 1 (Required) 5551 Health Science 2 (Required) 5552 Health Science 3 5560 Health Science Clinical Study 5581 PLTW Human Body Systems 5580 PLTW Principles of Biomedical Science 5540 Medical Terminology 5590 Health Science Internship, work-based credit	-Certified Nurse Aide (CNA) -Healthcare Providers Basic Life Support (BLS) -Microburst EmployABILITY Soft Skills Certification -National Health Science Assessment -OSHA 10 General	CAJHS, HCTC, LRHS	
Sports Medicine (310505) (Three Unit Completer)	5555 Sports Medicine 1 (Required) 5556 Sports Medicine 2 (Required) 5557 Sports Medicine 3 (Required) 5581 PLTW Human Body Systems 5580 PLTW Principles of Biomedical Science 5591 Sports Medicine Internship, work-based learning	-Healthcare Providers Basic Life Support (BLS) -Microburst EmployABILITY Soft Skills Certification -OSHA 10 General	CAJHS, HCTC	
Hospitality & Tourism - Andrea Hallmon-Lucas		Credentials	Schools	MTC
Culinary Arts Management (520905) (Three Unit Completer)	5722 Intro to Culinary Arts Management 5720 Culinary Arts Management 1 5721 Culinary Arts Management 2 5190 Hospitality and Tourism Internship, work-based credit	-Microburst EmployABILITY Soft Skills Certification -OSHA 10 General -ProStart -ServSafe Food Handler -ServSafe Manager	HCTC, LRHS	
Hospitality and Tourism Management (520904) (Three Unit Completer)	5478 Introduction to Hospitality and Tourism Management (Required) 5474 Travel and Tourism Management* 5475 Event and Entertainment Management* 5473 Lodging Management* 5190 Hospitality and Tourism Internship, work-based credit	-Microburst EmployABILITY Soft Skills Certification -OSHA 10 General	HCTC, WJKHS	

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Human Services/Family & Consumer Sciences - Andrea Hallmon-Lucas		Credentials	Schools	MTC
Barber/Master Hair Care (120402)	6158 Barber/Master Hair Care 1 6159 Barber/Master Hair Care 2 6160 Barber/Master Hair Care 3 6161 Barber/Master Hair Care 4 5790 Human Services Internship, work-based credit	-Microburst EmployABILITY Soft Skills Certification -OSHA 10 General -South Carolina Registered Barber License	HCTC	
Cosmetology (120401) (Four Required Courses)	6150 Cosmetology 1 6151 Cosmetology 2 6152 Cosmetology 3 6153 Cosmetology 4	-Microburst EmployABILITY Soft Skills Certification -OSHA 10 General -South Carolina Cosmetology License	HCTC, LRHS	
Family and Consumer Sciences (190101) (Three Unit Completer)	5478 Introduction to Hospitality and Tourism Management * - HCTC 5700 Early Childhood Education 1 5702 Introduction to Early Childhood Education 1 5722 Introduction to Culinary Arts Management - HCTC 5757 Food Science 1 5800 Child Development 1 5801 Child Development 2 * 5804 Fashion, Fabric and Design 1 5805 Fashion, Fabric and Design 2 5808 Family and Consumer Science 1 - HCTC 5809 Family and Consumer Science 2 - HCTC 5824 Foods and Nutrition 1 5825 Foods and Nutrition 2	-Microburst EmployABILITY Soft Skills Certification -OSHA 10 General -ServSafe Food Handler	ECHS, HCTC, WJKHS, LRHS	
Information Technology - Alvin Allen & Andrea Hallmon-Lucas		Credentials	Schools	MTC
Networking Systems (110901)	5310 Networking Fundamentals (Required) 5311 Advanced Networking (Required) 5025 IT Fundamentals 5023 Fundamentals of Computing 5390 Information Technology Internship, work-based credit	-CompTIA IT Fundamentals -Microburst EmployABILITY Soft Skills Certification -OSHA 10 General	HCTC	
Web and Digital Communications (110801) (Three Unit Completer)	5031 Fundamentals of Web Page Design and Development (Required) 5033 Advanced Web Page Design and Development (Required) 5340 Image Editing 1 5176 Digital Publication Design 5400 Entrepreneurship 5061 Discovering Computer Science (fourth course) 5390 Information Technology Internship, work-based credit	-Adobe -Microburst EmployABILITY Soft Skills Certification -OSHA 10 General	ACFHS, DHS, LRHS	
Law, Public Safety, Corrections & Security - David Prigge		Credentials	Schools	MTC
Emergency and Fire Management Services (430203)	6514 Firefighter 1 (Required) 6515 Firefighter 2 (Required) 6505 Intro to Law, Public Safety, Corrections and Security	-Basic Auto Extrication (Firefighter) -Hazardous Material Awareness (Firefighter) -Hybrid Firefighter I -Hybrid Hirefighter II -Microburst EmployABILITY Soft Skills Certification -OSHA 10 General	LRHS	
Manufacturing - David Prigge		Credentials	Schools	MTC

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Mechatronics Integrated Technologies (150404)	6210 Mechatronics 1 - Electrical Components/Industrial Safety 6211 Mechatronics 2 - Mechanical Components Electric Drives/Hand & Power Tool Op. 6212 Mechatronics 3 - Electro Pneumatics and Hydraulics 6213 Mechatronics 4 - Digital Fundamentals and Programmable Controllers 6490 Manufacturing Internship, work-based credit	-Microburst EmployABILITY Soft Skills Certification -MSSC (Multiple Areas) -OSHA 10 General	HCTC	
Welding Technology (480508)	6340 Welding Technology 1 6341 Welding Technology 2 6342 Welding Technology 3 6343 Welding Technology 4 6490 Manufacturing Internship, work-based credit	-AWS -Microburst EmployABILITY Soft Skills Certification -OSHA 10 General -NCCER Core	HCTC	
Marketing - Andrea Hallmon-Lucas		Credentials	Schools	MTC
Marketing Communications (090903) (Three Unit Completer)	5421 Marketing (Required) 5422 Digital Media Marketing (Required) 5400 Entrepreneurship 5020 Integrated Business Applications 1 5091 Marketing Internship, work-based credit	-Microburst EmployABILITY Soft Skills Certification -OSHA 10 General -Adobe	HCTC	
Science, Technology, Engineering & Mathematics - Alvin Allen & Andrea Hallmon-Lucas		Credentials	Schools	MTC
Food Science (190501) (Three Unit Completer)	5757 Food Science 1 5758 Food Science 2 5824 Foods and Nutrition 1	-Microburst EmployABILITY Soft Skills Certification -OSHA 10 General -ServSafe Food Handler	CAJHS	
Pre-Engineering PLTW (140101) (Four Unit Completer)	6051 PLTW Intro to Engineering Design (Required) 6050 PLTW Principles of Engineering Design (Required) 6058 PLTW Civil Engineering and Architecture 6082 PLTW Digital Electronics 6056 PLTW Aerospace Engineering 6377 PLTW Computer Science Principles 6090 Pre-Engineering/Engineering & Industrial Technology Education Internship, work-based credit	-Autodesk Inventor -Microburst EmployABILITY Soft Skills Certification -OSHA 10 General	ACFHS, CHS, DHS, WJKHS, LRHS	
Transportation, Distribution & Logistics - David Prigge		Credentials	Schools	MTC
Automotive Technology (470604)	6030 Automotive Technology 1 6031 Automotive Technology 2 6032 Automotive Technology 3 6033 Automotive Technology 4 6790 Transportation, Distribution & Logistics Internship, work-based credit	-ASE (Multiple Areas) -Microburst EmployABILITY Soft Skills Certification -OSHA 10 General -Safety and Pollution Prevention (S/P2)	HCTC	
CDL (520203) (Four Unit Completer)	6880 Commercial Driver's License 1 6881 Commercial Driver's License 2 6882 Commercial Driver's License 3 6790 Transportation, Distribution & Logistics Internship, work-based credit	-CDL Permit -Microburst EmployABILITY Soft Skills Certification -OSHA 10 General	ECHS	
Diesel Engine Technology (470605)	6310 Diesel Technology 1 6311 Diesel Technology 2 6312 Diesel Technology 3 6313 Diesel Technology 4 6790 Transportation, Distribution & Logistics Internship, work-based credit	-ASE (Multiple Areas) -Microburst EmployABILITY Soft Skills Certification -OSHA 10 General	HCTC	
Introductory Courses		Credentials	Schools	MTC
6001 Introduction to Construction *		-Microburst EmployABILITY Soft Skills Certification -NCCER Core -OSHA 10 General	HCTC	

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5722 Introduction to Culinary Arts Management *	-Microburst EmployABILITY Soft Skills Certification -OSHA 10 General -ServSafe Food Handler	HCTC, LRHS
5650 Introduction to Horticulture *	-Microburst EmployABILITY Soft Skills Certification -OSHA 10 General	HCTC
5478 Introduction to Hospitality and Tourism Management *	-Microburst EmployABILITY Soft Skills Certification -OSHA 10 General	HCTC, WJKHS
6045 Introduction/Intermediate Manufacturing Technology *	-Microburst EmployABILITY Soft Skills Certification -NCCER Core -OSHA 10 General	HCTC
Health Science Dual Enrollment Courses		MTC
5541 Dual Enroll Medical Terminology (AHS 102) *		
5551 Dual Enroll Health Care Careers (AHS 119/180) *		
8540 Dual Enroll for Care of Patients (AHS 117) (CNA)		
Business Dual Enrollment Courses		MTC

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Elective Courses

5061 Discovering Computer Science
3099 Sur Radio/TV/Film 1 and 2
5299 Speech/Multimedia
3735 Teacher Cadet
4775 AP Computer Science Principles