

SANTEE-LYNCHES EDUCATION SERIES

A Limited Study on Potential Wages for Graduates of the Region's High School Technical/Career Centers

The direction of and results attained by the Sumter County Career Center continues to be a major topic of discussion at all levels of Sumter's leadership, as well as in the local Press for the last several months. This situation prompted the Santee-Lynches Workforce Investment Area (WIA) staff to review the curriculum of the Region's four high school technical centers to determine the types of jobs, average wage, and projected number of annual openings associated with the courses provided by these schools.

The study is limited in scope based on the following factors:

The entry level and average hourly wage rates used in the study are for 2004, which are the latest wage rates available from the South Carolina Employment Security Commission.

Since the 2004 Wage Survey did not provide data for all S.C. Counties, the hourly wage rate used was the Statewide average. It is important to note that, historically, Clarendon, Lee, and Sumter Counties have wage rates that generally fall below the Statewide average.

The various Centers' curricula were not evaluated in detail. The study used the general course descriptions provided in school catalogues and brochures. Therefore, the potential jobs listed are only an approximation and should be considered a guide rather than the results of detailed study. Due to curricula difference between Centers, students in one Center may have greater or fewer opportunities for employment than students from another of the Region's Centers. This is true even where the students from different Centers are taking the same subject; i.e. Accounting, Health Care, etc.

The study primarily consists of a series of Tables identifying various aspects of each Technical / Career Center's curriculum. These Tables are provided as an Attachment to this document.

The first Attachment is a Table of Subject Course Comparison, which lists all Technical/Career Center subjects taught in the Region and identifies which of the County Technical Centers teach that subject. This Table is provided to identify both the commonality and diversity of the Center's curricula.

The next series of Tables lists each Career Center's curricula, potential jobs a graduate could be reasonably expect to qualify for, and the South Carolina hourly wage rates (both entry level and average wage) for each of these potential jobs.

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The third Attachment (Projected Growth of Potential Occupations by Course Subject) lists the annual openings and projected growth for a selection of the potential occupations associated with the Centers' courses. These projected openings/growth rates are based on 1998 to 2008 S.C. Employment Security Commission data.

The final Attachment (Local Courses to Increase Skill Levels of Career Center Subject Areas) identifies courses available at Central Carolina Technical College which will allow graduates to increase the skills obtained in their selected Career Center course.

4 Attachments.

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Technical Centers Subject Course Comparison

The following Table provides a comparison of the curriculum of the four high school technical centers. There is not always a direct correlation between similar courses in each technical center, but this curriculum list addresses the general categories.

Subject	Taught At			
	F.E. DuBose	ATEC	LCCC	SCCC
Accounting	X	X	X	
Auto – Collision		X		X
Auto Mechanic	X	X	X	X
Business Law	X			
Carpentry	X	X		X
Child Care	X	X		X
Computer Operation	X	X	X	X
Computer Repair		X		X
Cosmetology	X	X	X	X
Culinary Arts	X	X		X
Diesel Mechanic		X		X
Electronics Repair		X	X	X
Fashion Design				X
Forestry	X			
Graphic Design	X	X		X
Health Care	X	X	X	X
Landscaping			X	X
Manufacturing		X		X
Marketing			X	
Masonry				X
Small Engine Repair			X	
Welding	X	X		X

Attachment I

SANTEE-LYNCHES EDUCATION SERIES

F. E. DuBose Career Center – Clarendon County

Course	Subject	Potential Occupations	Hourly Wage Rates	
			Entry Level	Average
Accounting	Accounting Cycle & Business Relationship	Bookkeeping/Accounts Clerk	\$10.14	\$13.02
		Teller	\$9.24	\$10.31
		Payroll Clerk	\$10.63	\$14.10
Automotive Technology	Auto Engine Transmission & Carburetor	Auto Service Technician & Repairer	\$10.39	\$15.51
		Farm Equip. Mechanic	\$12.32	\$14.30
Building Construction	Erect, Install & Repair Wood Structures	Carpenter Helper	\$8.57	\$10.00
		Carpenter	\$11.56	\$14.36
Business Law	Legal Principles	Title Examiner, Abstractor, Searcher	\$10.31	\$1616
		Law Clerk	\$9.98	\$15.03
Computer Technology	Office Use Computer	Receptionists / Information Clerks	\$8.10	\$10.11
		Word Processor	\$9.15	\$12.64
		Office Clerk -General	\$8.56	\$11.08
Cosmetology		Hair Dresser, Stylist, Cosmetologist	\$7.96 + Tip	\$11.41 + Tip
Culinary Arts	Professional Cooking	Restaurant Cook	\$7.06	\$8.44
		Institutional Cook	\$6.75	\$8.52
Child Care Services		Pre-School Teachers	\$6.60	\$8.64
		Child Care Workers	\$6.17	\$7.20
Desktop Publishing		Desktop Publishers	\$9.77	\$14.46
Forestry		Forest and Conservation Workers	\$7.94	\$10.27
		Fallers	\$9.12	\$11.71
		Logging Equip. Operators	\$9.52	\$12.68
Health Occupations	Assist Medical Professionals	Nurse Aide or Orderly	\$7.65	\$8.98
		Medical Assistants	\$9.70	\$11.53
		Medical Records Clerk	\$7.54	\$9.56

SANTEE-LYNCHES EDUCATION SERIES

F.E. DuBose Career Center (Cont'd) – Clarendon County

Course	Subject	Potential Occupations	Hourly Wage Rates	
			Entry Level	Average
Multi – Media Web Page	Computer Assisted Media Interaction	Media & Communications Workers	\$8.91	\$15.63
Sports Medicine	Safety, First Aid and CPR	Nurse Aide or Orderly	\$7.65	\$8.98
		Healthcare Support Worker	\$8.70	\$11.16
		Concrete Mason	\$9.76	\$12.35
Welding		Welders ,Cutters, Solderers & Brazers	\$12.20	\$15.31

Attachment II – Clarendon

SANTEE-LYNCHES EDUCATION SERIES

Applied Technology Education Campus – Kershaw County

Course	Subject	Potential Occupations	Hourly Wage Rates	
			Entry Level	Average
Architecture & Construction	Building Construction	Carpenter Helper	\$8.57	\$10.00
		Drafters - Other	\$12.14	\$15.08
	Automated Elec. Systems	Electrician Helper	\$9.42	\$11.11
		Security/Fire Alarm System Installer	\$12.33	\$15.71
Art, Audio-Video & Technology Communication	Commercial Art	Graphic Designers	\$12.42	\$16.47
		Set/Exhibit Designers	\$8.82	\$13.84
	Graphic Communications	Desktop Publishers	\$9.77	\$14.46
		Photographic Process Workers	\$7.87	\$9.59
Business & Administration Services	Accounting	Bookkeeping/Account Clerk	\$10.14	\$13.02
		Teller	\$9.24	\$10.31
		Payroll Clerk	\$10.63	\$14.10
	Virtual Enterprise, International	<u>No Specific Skill</u> Prepares student for workplace.	---	---
	Computer Technology	Word Processors & Typists	\$9.51	\$12.64
Data Entry Keyers		\$8.75	\$10.94	
Health Science	Honors Practical Nursing	Medical Assistant	\$9.70	\$11.53
		Therapist Aide	\$8.30	\$10.15
Hospitality & Tourism	Culinary Arts	Restaurant Cook	\$7.06	\$8.44
		Institutional Cook	\$6.75	\$8.52
Human Services	Early Childhood Education	Pre-School Teachers	\$6.60	\$8.64
		Child Care Workers	\$6.17	\$7.20
	Cosmetology	Hair Dresser, Stylist, Cosmetologist	\$7.96 + Tip	\$11.41 + Tip

SANTEE-LYNCHES EDUCATION SERIES

Applied Technology Education Campus (Cont'd) – Kershaw

Course	Subject	Potential Occupations	Hourly Wage Rates	
			Entry Level	Average
Information Technology	Honors Networking	<u>No Specific Job</u> Prepares Student to take Networking & Cisco Certifications	---	---
	PC Repair	<u>No Specific Job</u> Prepares student to take tests for A+ Certification	---	---
	Computer Programming	Computer Support Specialist	\$12.26	\$17.05
Manufacturing	Machine Tool Technology	Lay-Out Workers - Metal	\$8.77	\$12.76
		Metal Workers - Other	\$9.39	\$11.56
	Welding	Welders ,Cutters, Solderers & Brazers	\$12.20	\$15.31
Transportation, Distribution & Logistics Services	Auto Collision Technology	Auto Body & Related Repairers	\$10.91	\$15.36
	Automotive Technology	Auto Service Technician & Repairer	\$10.39	\$15.51
	Diesel Technology	Bus & Truck Mechanics & Diesel Engine Specialist	\$12.09	\$15.04

Attachment II - Kershaw

SANTEE-LYNCHES EDUCATION SERIES

Lee County Career Center

Course	Subject	Potential Occupations	Hourly Wage Rates	
			Entry Level	Average
Accounting	Accounting Cycle & Business Relationship	Bookkeeping/Accounts Clerk	\$10.14	\$13.02
		Teller	\$9.24	\$10.31
		Payroll Clerk	\$10.63	\$14.10
Automotive Technology	Auto Engine Transmission & Carburetor	Auto Service Technician & Repairer	\$10.39	\$15.51
		Farm Equip. Mechanic	\$12.32	\$14.30
Administration & Information Support	Computer Assisted Accounting & Business	Desktop Publishers	\$9.77	\$14.46
		Customer Service Representative	\$9.89	\$12.96
Agricultural Education	Agri-Science, Landscaper, & Nursery	Landscaper & Grounds Keeping Worker	\$7.65	\$9.24
		Grounds Maintenance Worker	\$7.22	\$10.17
Cosmetology		Hair Dresser, Stylist, Cosmetologist	\$7.96 + Tip	\$11.41 + Tip
Health Occupations	Assist Medical Professionals	Nurse Aide or Orderly	\$7.65	\$8.98
		Medical Assistants	\$9.70	\$11.53
		Medical Records Clerk	\$7.54	\$9.56
Marketing	Fashion Merchandising & Hospitality	Merchandise Display / Window Trimmer	\$7.70	\$11.46
		Hotel/Motel/Resort Desk Clerk	\$7.77	\$8.89
Residential Electricity	Elec. Install & Repair	Home Electronics Installer/Repairer	\$10.91	\$15.67
		Electrician's Helper	\$9.42	\$11.11
		Electric & Related Repairer	\$10.95	\$13.71
Small Engine Technology		Outdoor Equip. & Small Engine Mechanic	\$8.82	\$11.21

Attachment II - Lee

SANTEE-LYNCHES EDUCATION SERIES

Sumter County Career Center

Course	Subject	Potential Occupations	Hourly Wage Rates	
			Entry Level	Average
Automotive Collision Repair	Auto Body Work	Auto Body & Related Repairers	\$10.91	\$15.36
Automotive Technology	Auto Mechanic	Auto Service Technician & Repairer	\$10.39	\$15.51
Carpentry		Carpenter Helper	\$8.57	\$10.00
		Carpenter	\$11.56	\$14.36
Computer Electronics	Computer Hardware	Computer Support Specialist	\$12.26	\$17.05
Computer Technology	Office Use Computer	Receptionists / Information Clerks	\$8.10	\$10.11
		Word Processor	\$9.15	\$12.64
		Office Clerk -General	\$8.56	\$11.08
Cosmetology		Hair Dresser, Stylist, Cosmetologist	\$7.96 + Tip	\$11.41 + Tip
Culinary Arts	Professional Cooking	Restaurant Cook	\$7.06	\$8.44
		Institutional Cook	\$6.75	\$8.52
Diesel Engine Mechanic		Bus & Truck Mechanics & Diesel Engine Specialist	\$12.09	\$15.04
Early Child Education		Pre-School Teachers	\$6.60	\$8.64
		Child Care Workers	\$6.17	\$7.20
Elec. System Technology	Service/Repair Electronics	Elec. Install/Repair – Motor Vehicle	\$9.18	\$12.40
		Electrician's Helper	\$9.42	\$11.11
		Electric & Related Repairer	\$10.95	\$13.71
Fashion Design	Prep. Clothes & Interior Design	Merchandise Display / Window Trimmer	\$7.70	\$11.46
		Set/Exhibit Designer	\$8.82	\$13.84
Golf Course & Landscape Technology		Landscaper & Grounds Keeping Worker	\$7.65	\$9.24
		Grounds Maintenance Worker	\$7.22	\$10.17

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Sumter County Career Center (Cont'd)

Course	Subject	Potential Occupations	Hourly Wage Rates	
			Entry Level	Average
Graphic Design	Computer Assist. Design, Photo & Print	Desktop Publishers	\$9.77	\$14.46
		Graphic Designers	\$12.42	\$16.37
Health Occupations	Assistant Medical Professionals	Nurse Aide or Orderly	\$7.65	\$8.98
		Medical Assistants	\$9.70	\$11.53
		Medical Records Clerk	\$7.54	\$9.56
Manufacturing Technology	Mfg. Process Tools, Equip. & Machines	Production Worker - Helper	\$8.40	\$10.87
		Team Assembler	\$10.09	\$13.24
		Layout Worker	\$8.77	\$12.26
Masonry	Brick/Block Construction	Brick/Block/Stone Mason - Helper	\$9.79	\$11.14
		Concrete Mason	\$9.76	\$12.35
Welding		Welders ,Cutters, Solderers & Brazers	\$12.20	\$15.31

Attachment II - Sumter

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Projected Growth of Potential Occupations by Course Subject

The following information is based on the S.C. Employment Security Commission's Occupational Projections 1998 – 2008 for the Santee-Lynches Region, published 9/10/2001.

Course Subject	Potential Occupation *	Total Jobs in 2008 #	Annual Openings +	Percent of Growth ^
Accounting	Bookkeeper	742	14	-3.1%
Auto Collision	Auto Body Worker	96	3	5.5%
Auto Technology	Auto Mechanic	405	10	3.5%
Business Law	Law Clerk	56	1	19.1%
Carpentry	Carpenter	419	12	5.5%
Child Care	Child Care Worker	1,274	44	37.9%
Computer Operations	Office Clerk	1,383	51	13.6%
Computer Repair	Computer Support Specialist	68	2	23.6%
Cosmetology	Hair Dresser	240	9	17.1%
Culinary Arts	Cook	1,669	90	31.6%
Diesel Engine	Bus/Truck Mechanic	164	7	28.1%
Electronic Repair	Electrician	425	15	24.3%
Fashion Design	Merchandiser/ Window Trimmer	17	0	11.2%
Forestry	Forest Conservation Workers	29	0	0.0%
Graphic Design	Desk Top Publisher	10	0	30.0%
Health Care	Nurse Aide or Orderly	708	27	39.1%
Landscaping	Landscaper - Groundskeeper	1,352	70	23.5%
Manufacturing	Machine Operator	845	30	39.0%
Marketing	Hotel Desk Clerk	53	2	-3.6%
Masonry	Stone Mason Helper	60	1	4.5%
Small Engine Repair	Small Engine Mechanic	22	1	1.0%
Welding	Welder	261	10	20.8%

* These are just sample occupations associated with Subject Courses.

The projected total number of jobs in the sample occupation in 2008.

+ The projected number of openings, new and replacement, for a given year.

^ The projected percent of the occupation's growth from 1998 to 2008.

In some cases, the potential occupations used are merely one of a number of jobs that can be associated with the Subject Training Course.

Attachment III

SANTEE-LYNCHES EDUCATION SERIES

Local Credit Courses Available to Increase Skill Levels of Career Center Subject Areas

Course Subject	Advanced Courses Available at Central Carolina Tech. College
Accounting	Associate Degree (Business) Major in Accounting, Certificate in Accounting Specialist
Auto Collision	No Credit Course Available
Auto Technology	Diploma in Industrial Technology – Major in Automotive Mechanics, Certificate (Automotive Repair)
Business Law	Associate Degree (Public Service) Major Legal Assistant / Paralegal
Carpentry	No Credit Course Available
Child Care	Associate Degree (Public Service) Major in Early Care & Education, Diploma in Public Service- Major in – Early Childhood Development, Certificate – Early Childhood Development, Certificate – Infant & Toddler Care
Computer Operations	Associate Degree (Business) Major in Office Systems Technology, Diploma in Business – Major in Automated Office Certificate – Information Processing
Computer Repair	Associate Degree (Computer Technology) Major in Computer Technology, Certificate – Computer Specialist, Certificate – Internetworking – Cisco.
Cosmetology	No Credit Course Available
Culinary Arts	No Credit Course Available
Diesel Engine	Diploma in Industrial Technology – Major in Automotive Mechanics, Certificate (Automotive Repair)
Electronic Repair	Associate Degree (Electronic Technology) – Major in Electronic Technology, Certificate – Electro-Mechanical Workforce, , Certificate – Electro-Mechanical Workforce II, Certificate – Pre-Industrial, Certificate – Industrial Electricity/Electronics.
Fashion Design	No Credit Course Available
Forestry	Associate Degree (Agriculture) – Major in Natural Resources Management.
Graphic Design	Associate Degree (Engineering Technology) – Major in Civil Engineering Technology, Diploma – Engineering Graphics, Certificate – Basic Industrial Graphics & CAD, Certificate – Drafting with Computer Graphics.
Health Care	Associate Degree (Health Science) – Major in Nursing (ADN), LPN to ADN Option, Diploma – Medical Assisting, Diploma – Nursing (PN), Diploma – Surgical Technology, Certificate – Health Science Prep, Certificate – Phlebotomy, Certificate – Pre-Dental Hygiene, Certificate – Pre-Occupational / Physical Therapy Assistant, Certificate – Pre-Pharmacy Technician.
	Advanced Courses Available at

SANTEE-LYNCHES EDUCATION SERIES

Course Subject	Central Carolina Tech. College
Landscaping	No Credit Course Available
Manufacturing	Associate Degree (Electronic Technology) – Major in Electronic Technology, Diploma – Machine Tool, Certificate – Advanced Tool Making, Certificate – Industrial Maintenance, Certificate – Industrial Maintenance I & II, Certificate – Machine Tool Operator. Certificate – Pre-Industrial.
Marketing	Associate Degree (Business) – Major in Management
Masonry	No Credit Course Available
Small Engine Repair	No Credit Course Available
Welding	Certificate - Welding, Certificate – Welding Workforce Initiative Level I & II.

The courses shown in the above Table are from the Central Carolina Technical College (CCTC) Catalog 2005 – 2006. All courses listed are credit courses, but there some opportunities to a Career Center graduate to increase their skills by taking CCTC non-credit continuing education courses.

Where a Career Center course subject shows “No credit course available”, this means that Central Carolina Technical College (CCTC) does not have a credit course in this subject. For some of these subjects there are other learning institutions that provide training which would advance Career Center acquired skills; i.e. Beauty/ Barber Colleges.

Attachment IV