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ABSTRACT

To determine employment outcomes for graduates of the 1993-93 academic year, the Virginia Community College System (VCCS) undertook a study of outcomes by examining state unemployment insurance wage records. The analysis determined that for all 23 colleges in the system, 63.6% of graduates were employed by a Virginia business or industry at the end of 1993. Other findings included the following: (1) 43.8% of VCCS graduates were employed in service industries, 20.7% in retail trade, 12.6% in manufacturing, 6.4% in public administration, and 5.2% in finance, insurance, and real estate; (2) colleges with the highest percentages of employed graduates were Blue Ridge at 77.66%, J. Sargeant Reynolds at 74.71% Central Virginia at 74.68%, and Wytheville at 73.42%; (3) colleges with the lowest percentages of employed graduates were Mountain Empire at 54.37%, Northern Virginia at 53.74%, and Eastern Shore at 52.94%; (4) a further analysis of employees by type of employer revealed that 19.4% of the graduates employed in the service industries were employed in health services, the largest percentage; (5) VCCS program clusters employing the largest number of graduates were business at 1,513, public service at 1,427, and health at 1,215; and (6) the highest median salaries went to graduates from the health (\$26,948), engineering and industrial (\$23,396), and public services (\$19,792) divisions. (KP)

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VIRGINIA COMMUNITY COLLEGE SYSTEM

Research Report Series

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Virginia Employers of 1992-1993 VCCS Graduates

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Virginia Employers of 1992-93 VCCS Graduates

Employment outcomes of graduates were determined using unemployment insurance(UI) wage records* as the source of follow-up information. More than 95% of Virginia's workers are included in these files. For the VCCS, nearly two of every three graduates were employed by a Virginia business or industry** at the end of 1993. Numbers of students employed in each of the Standard Industrial Classification(SIC) divisions of economic activities are presented in Table I. Table II shows for each college the number of graduates working in Virginia.

More than three-fourths of all graduates were employed in the divisions of manufacturing, retail trades, or services. A further breakdown of these and other divisions into SIC major groups(Table III) shows that far more graduates are employed by health services establishments than any other major group of employers. Business services, education services, and public administration are closely grouped in second position.

The last table groups graduates found to be working in Virginia by the program area or degree cluster in which the award was earned. For each cluster, the number who graduated, number employed, and, for those employed, average and range of annual earnings*** are presented. Average earnings are higher for graduates of Engineering and Industrial and Health Technology programs. As is the case nationally(AACC Survey, 1994), health graduates earn the highest average salaries.

College-specific data are available in SAS data sets or in a format suitable for spreadsheets. Data elements available include the graduate's curriculum, age, race, sex, and residence along with total quarterly earnings and employer's SIC code. Requests should be made in writing to Earl McHewitt, Academic Services and Research.

* An agreement executed between the Virginia Employment Commission and the VCCS permits the use of information from these files for program follow-up and evaluation within the VCCS.

** Major categories of employees excluded from these files include military personnel, federal civilian employees, self-employed and independent contractors, and workers for small agricultural and fisheries establishments.

*** Average salary data are based only on those graduates earning the quarterly minimum wage or higher, i.e. regular employees.

TABLE I
1992-93 VCCS GRADUATES
VIRGINIA EMPLOYING INDUSTRIES BY SIC DIVISION

SIC DIVISION	NUMBER	PERCENT
Agriculture, Forestry, and Fishing	76	1.1
Mining	14	0.2
Construction	218	3.1
Manufacturing	882	12.6
Transportation, Communications, Electric, Gas, and Sanitary Services	233	3.3
Wholesale Trade	238	3.4
Retail Trade	1,451	20.7
Finance, Insurance, and Real Estate	366	5.2
Services	3,074	43.8
Public Administration	449	6.4
Nonclassifiable Establishments	10	0.1
Total	7,011	

TABLE II**1992-93 VCCS GRADUATES*****VIRGINIA UI EMPLOYMENT, FOURTH QUARTER 1993**

COLLEGE	EMPLOYED	GRADUATES	PERCENT
Blue Ridge	226	291	77.66
Central Virginia	295	395	74.68
Dabney S. Lancaster	129	189	68.25
Danville	307	480	63.96
Eastern Shore	36	68	52.94
Germanna	145	244	59.43
J. Sargeant Reynolds	511	684	74.71
John Tyler	237	337	70.33
Lord Fairfax	175	262	66.79
Mountain Empire	143	263	54.37
New River	298	396	75.25
Northern Virginia	1,329	2,473	53.74
Patrick Henry	225	307	73.29
Paul D. Camp	123	174	70.69
Piedmont Virginia	167	232	71.98
Rappahannock	181	253	71.54
Southside Virginia	197	285	69.12
Southwest Virginia	256	428	59.81
Thomas Nelson	414	638	64.89
Tidewater	848	1,517	55.90
Virginia Highlands	173	286	60.49
Virginia Western	375	522	71.84
Wytheville	221	301	73.42
Totals	7,011	11,025	63.59

*Includes Career Studies Certificates

TABLE III

1992-93 VCCS Graduates

VIRGINIA EMPLOYING INDUSTRIES BY SIC MAJOR GROUP

	<u>Number</u>	<u>Percent</u>		<u>Number</u>	<u>Percent</u>
Agric - Crops	5	0.1	Retail - Hdwe/Bldg	58	0.8
Agric - Livestock	6	0.1	Retail - Gen Merch	253	3.6
Agric - Services	63	0.9	Retail - Food	264	3.8
Forestry	2	0.0	Retail - Auto/Gas	134	1.9
Coal Mining	11	0.2	Retail - Apparel	95	1.4
Oil and Gas	1	0.0	Retail - Home Furn	87	1.2
Nonmetal Mining	2	0.0	Retail - Eat/Drink	355	5.1
Construc - Bldg	48	0.7	Retail - Misc	205	2.9
Construc - Heavy	51	0.7	Finance - Deposit	191	2.7
Construc - Trade	119	1.7	Finance - Nondepos	24	0.3
MFG - Food	39	0.6	Finance - Securiti	3	0.0
MFG - Tobacco	8	0.1	Finance - Insur Co	46	0.7
MFG - Textile	94	1.3	Finance - Ins Svcs	27	0.4
MFG - Apparel	25	0.4	Finance - Real Est	67	1.0
MFG - Lumber/Wood	34	0.5	Finance - Holding	8	0.1
MFG - Furniture	34	0.5	Service - Lodging	79	1.1
MFG - Paper	84	1.2	Service - Personal	49	0.7
MFG - Prnt/Publish	78	1.1	Service - Business	414	5.9
MFG - Chemicals	61	0.9	Service - Auto	30	0.4
MFG - Rubber/Plas	25	0.4	Service - Repair	16	0.2
MFG - Glass/Concr	18	0.3	Service - Movies	27	0.4
MFG - Metals	31	0.4	Service - Amusmnt	60	0.9
MFG - Fab. Metals	26	0.4	Service - Health	1357	19.4
MFG - Mach/Comput	91	1.3	Service - Legal	108	1.5
MFG - Elec Ex Com	92	1.3	Service - Educat	466	6.6
MFG - Tran Equip	109	1.6	Service - Social	194	2.8
MFG - Instruments	29	0.4	Service - Mus/Gal	5	0.1
MFG - Misc	4	0.1	Service - Clubs	54	0.8
Tran - Local Trans	11	0.2	Service - Engr/Mgt	196	2.8
Tran - Mtr Freight	45	0.6	Service - Hsehold	15	0.2
Tran - Water	8	0.1	Service - Misc	4	0.1
Tran - Air	27	0.4	Public Admin	449	6.4
Tran - Services	17	0.2	Nonclassifiable	10	0.1
Tran - Communicat	57	0.8			
Tran - Elec/Gas	68	1.0	Total	7,011	
Wholesale - Durabl	161	2.3			
Wholesale - Nondur	77	1.1			

TABLE IV

1992-93 VCCS GRADUATES

EMPLOYMENT AND EARNINGS BY PROGRAM CLUSTER

CLUSTER	GRADUATES	EMPLOYED	MEAN	MEDIAN	25th CENTILE	75th CENTILE
College Transfer	3,570	1,873	\$21,224	\$17,228	\$12,324	\$27,220
Agriculture and Natural Resources	106	77	\$22,011	\$19,600	\$14,428	\$25,884
Arts and Design	156	79	\$18,100	\$15,196	\$11,644	\$22,604
Business	2,208	1,513	\$21,313	\$18,168	\$13,324	\$25,976
Engineering and Industrial Health	1,209	817	\$25,810	\$23,396	\$16,544	\$32,700
Public Service	1,635	1,215	\$26,914	\$26,948	\$21,116	\$31,564
Total	2,147	1,427	\$23,282	\$19,792	\$13,464	\$29,848
	11,025	7,011	\$23,453	\$21,112	\$14,396	\$29,892