

Employment and Earnings of College Graduates

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and Workforce Development

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Workforce Training
And Education
Coordinating Board

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Employment and Earnings of College Graduates by Field of Study

Employment Rates and Earnings for:

- Community and Technical College (CTC) Workforce Graduates
- Public Bachelor Degree Graduates
- Public Graduate and Professional Degree Graduates

Third Quarter After Graduation:

CTC 2008-2009 Grads, Bachelor & Beyond 2005-2006 Grads;

Based on Employment Records in WA, Other States, Federal Government (does not include self-employment);

Methodology in use by Workforce Board since 1996.



Employment and Earnings of College Graduates

Community and Technical College (CTC) Workforce 2008-2009 Graduates

Third quarter after graduation

- Employment Rate in WA: 70 percent
- Employment Rate in any state: 82 percent
- Median annual earnings: \$31,958*
- Median earnings of full-time employed: \$40,278*



*Does not include individuals enrolled in higher education.

CTC Workforce 2008-2009 Graduates Employment Rates

Employment Rates* Vary Widely by Field

Higher

	Employment (In WA)	Employment (in any state)
●Health Care:	80 percent	90 percent
●Protective Services:	75 percent	87 percent
●Mechanic and Repair:	71 percent	79 percent

Lower

	Employment (In WA)	Employment (in any state)
●Communication Techs:	57 percent	62 percent
●Performing Arts:	56 percent	63 percent
●Construction:	52 percent	79 percent

*Third quarter after graduation.



CTC Workforce 2008-2009 Graduates Earnings

Earnings* Vary Widely by Field of Study

Higher Earnings

- Engineering Techs: \$50,693
- Health Care: \$39,506
- Protective Services: \$30,812

Lower Earnings

- Agriculture: \$17,589
- Personal and Culinary Services: \$17,494
- Communication Techs: \$14,891

*Annual earnings based on third quarter after graduation. Does not include individuals enrolled in higher education.



Employment and Earnings for Public Baccalaureate Graduates

Bachelor Degree Graduates 2005-2006 Third quarter after graduation

- Employment Rate in WA: 66 percent
- Continuing in higher education: 16 percent
- Median annual earnings: \$28,648*

*Does not include individuals enrolled in higher education.



Bachelor Degree 2005-2006 Graduates Employment Rates

In-State Employment* Varies Widely by Field

Higher

In WA Employment

- Education Administration: 86 percent
- Special Education: 85 percent
- Dental Allied: 84 percent

Lower

In WA Employment

- Biological Sciences: 62 percent
- Health Care: 59 percent
- Non-Biological Sciences: 55 percent

The above fields have the highest rates of students continuing in higher education which contributes to their low in-state employment rates.

*Third quarter after graduation.



Bachelor Degree 2005-2006 Graduates Earnings

Earnings Vary* Widely by Field of Study

Higher Earnings

- Allied Health: \$60,857
- Allied Dental: \$53,259
- Nursing: \$51,720

Lower Earnings

- Ag and Natural Resources: \$24,657
- Arts and letters: \$23,858
- Teacher Education: \$22,070

*Annual earnings based on third quarter after graduation. Does not include individuals enrolled in higher education.



Employment and Earnings for Graduate and Professional Degree Graduates

Public Graduate and Professional Degree Graduates 2005-2006

Third quarter after graduation

- Employment Rate in WA: 58 percent
- Continuing in higher education: 11 percent
- Median annual earnings: \$46,933



Graduate and Professional Degree 2005-2006 Graduates Employment

In-State Employment* Varies Widely by Field

Higher

In WA Employment

- Special Education: 87 percent
- Education Administration: 81 percent
- Business: 74 percent

Lower

In WA Employment

- Ag and Natural Resources: 41 percent
- Biological Sciences: 40 percent
- Non-Biological Sciences: 31 percent

*Third quarter after graduation.



Graduate and Professional Degree 2005-2006 Graduates Earnings

Earnings* Vary Widely by Field of Study

Higher Earnings

- Computer Science: \$90,161
- Business: \$79,270
- Nursing: \$66,976
- Engineering: \$63,801

Lower Earnings

- Teacher Education: \$39,338
- Biology: \$37,500
- Arts and letters: \$36,442

*Annual earnings based on third quarter after graduation.
Does not include individuals enrolled in higher education.



Employment and Earnings of College Graduates

Conclusions

- Community and Technical College Workforce Graduates have comparable employment rates and earnings to Bachelor Degree Graduates in the short run following graduation.
- There is wide variation in the employment and earnings of College Graduates by field of study. Field of study can be a bigger factor than the level of college.
- Graduates of Professional Schools and Graduate Degree Programs generally have much higher earnings, but their in-state employment rates are significantly lower than for graduates at other college levels, as many are from out of state and obtain jobs out of state.
- More needs to be known about the interstate flow of students and graduates.



Employment and Earnings of College Graduates

Forthcoming report, “A Skilled and Educated Workforce” by HECB, SBCTC, WTECB

Supply and Demand for skilled and educated workers by level of postsecondary training/education and field of study.

Questions?

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Employment and Earnings of College Graduates

Appendix



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Employment of Community and Technical College 2008-2009 Workforce Graduates by Field of Study

Field of Study	Employment in Washington	Employment in Any State ¹
Health Professions and Related Clinical Sciences	80%	90%
Security and Protective Services	75%	87%
Mechanic and Repair Technologies/Technicians	71%	79%
Precision Production	70%	78%
Education	67%	75%
Personal and Culinary Services	67%	72%
Legal Professions and Studies	65%	76%
Computer and Information Sciences and Support Services	63%	71%
Business, Management, Marketing, and Related Support Services	60%	68%
Communications Technologies/Technicians and Support Services	57%	62%
Visual and Performing Arts	56%	63%
Construction Trades	52%	79%
Total	70%	82%

Third quarter after graduation. Does not include self-employment.

¹ Except Hawaii



Median Earnings of Community and Technical College 2008-2009 Workforce Graduates by Field of Study

Field of Study	Earnings
Engineering Technologies/Technicians	\$50,693
Health Professions and Related Clinical Sciences	\$39,506
Security and Protective Services	\$30,812
Legal Professions and Studies	\$27,450
Mechanic and Repair Technologies/Technicians	\$25,463
Precision Production	\$25,226
Computer and Information Sciences and Support Services	\$24,398
Construction Trades	\$23,823
Business, Management, Marketing, and Related Support Services	\$23,677
Education	\$21,299
Visual and Performing Arts	\$19,547
Personal and Culinary Services	\$17,494
Communications Technologies/Technicians and Support Services	\$14,891
Total	\$31,958



Third quarter after graduation. Earnings are annualized by multiplying quarterly earnings by four, and Earnings are measured for students who were not enrolled in further education.

Employment¹ and Further Education for Bachelor's Degree Graduates by Field of Study (Page 1)

Field of Study	Employed in WA	In Further Education
Education Administration	86%	9%
Special Education	85%	14%
Dental Support and Allied	84%	8%
Nursing	78%	8%
Teacher Education	77%	14%
Computer Science	75%	8%
Business	71%	10%
Law	69%	19%
Social Sciences	66%	17%

¹Third quarter after graduation. Does not include self-employment



Employment¹ and Further Education for Bachelor's Degree Graduates By Field of Study (Page 2)

Field of Study	Employed in WA	In Further Education
Agriculture and Natural Resources	66%	16%
Engineering	64%	16%
Arts and Letters	64%	15%
Biological and Biomedical	62%	27%
Architecture	60%	25%
Health Care	59%	30%
Sciences	55%	24%
Allied Health and Diagnostics	53%	18%
Total	66%	16%



¹Third quarter after graduation. Does not include self-employment.



Employment¹ and Further Education for Graduate and Professional School Graduates By Field of Study (Page 1)

Field of Study	Employed in WA	In Further Education
Special Education	87%	9%
Education Administration	81%	9%
Business	74%	3%
Teacher Education	69%	7%
Architecture	69%	3%
Computer Science	65%	17%
Nursing	62%	8%



Note: Graduate and Professional degrees include Masters Degrees, PhD, Medical Doctor, Juris Doctor, and all other degrees beyond the Bachelor's level.

¹Third quarter after graduation. Does not include self-employment.



Employment¹ and Further Education for Graduate and Professional School Graduates by Field of Study (Page 2)

Field of Study	Employed in WA	In Further Education
Social Sciences	59%	14%
Health Care	53%	5%
Law	52%	4%
Arts and Letters	51%	17%
Engineering	45%	12%
Agriculture and Natural Resources	41%	13%
Biological and Biomedical	40%	19%
Sciences	31%	32%
Total	58%	11%

¹Third quarter after graduation. Does not include self-employment.



Median Annual Earnings of Bachelors Degree and Graduate and Professional School Graduates by Field of Study (Page 1)

Field of Study	Bachelor's	Graduate and Professional
Allied Health Diagnostics	\$60,857	N.A.
Dental Support and Allied	\$53,259	N.A.
Nursing	\$51,720	\$66,976
Engineering	\$51,120	\$63,801
Computer Science	\$50,000	\$90,161
Architecture	\$35,693	\$42,000
Business	\$35,546	\$79,270
Health	\$29,820	\$52,897
Sciences	\$28,667	\$36,442

Third quarter after graduation. Earnings are annualized by multiplying third quarter earnings by four, and expressed in first quarter 2007 dollars. Earnings are measured for students who were not enrolled in further education.





Median Earnings of Bachelors Degree and Graduate and Professional School Graduates by Field of Study (Page 2)

Field of Study	Bachelors	Graduate and Professional
Special Education	\$27,070	\$45,008
Education Administration	\$26,528	\$43,930
Biological and Biomedical	\$26,077	\$37,500
Social Sciences	\$25,431	\$39,911
Law	\$25,149	\$60,680
Agriculture and Natural Resources	\$24,657	\$39,778
Arts and Letters	\$23,858	\$36,442
Teacher Education	\$22,070	\$39,338
Total	\$28,648	\$46,933



Third quarter after graduation. Earnings are annualized by multiplying third quarter earnings by four, and expressed in first quarter 2007 dollars. Earnings are measured for students who were not enrolled in further education.