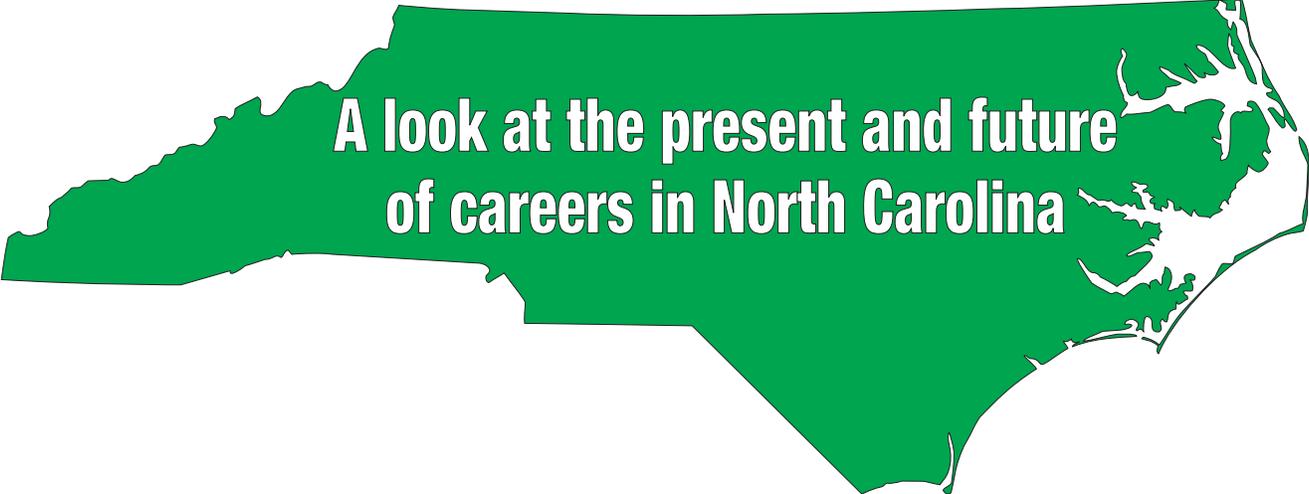


North Carolina Career Outlook Handbook 2009



A look at the present and future
of careers in North Carolina



Public Schools of North Carolina

State Board of Education | Department of Public Instruction

*Knowing where the job openings are in the near future
is the key to deciding on a postsecondary education
that will prepare you for a rewarding career!*

The mission of Career and Technical Education in North Carolina is to empower all students to be successful citizens, workers and leaders in a global economy.

The information contained in this handbook helps all students assess their career interests and investigate all careers related to those interests. This handbook is designed to empower the students with career information to help them narrow their career pathway and put themselves on a postsecondary education path that leads to a successful and rewarding career.

This handbook was funded through College Tech Prep, which is an important part of the Career and Technical Education program in North Carolina that helps students start a technical preparation program in high school and continue it through community college.

Thanks to the Employment Security Commission of North Carolina who provided much of the data included in this handbook.

Thanks to all who have helped to produce this handbook and to those who have made suggestions for improvements over the years.

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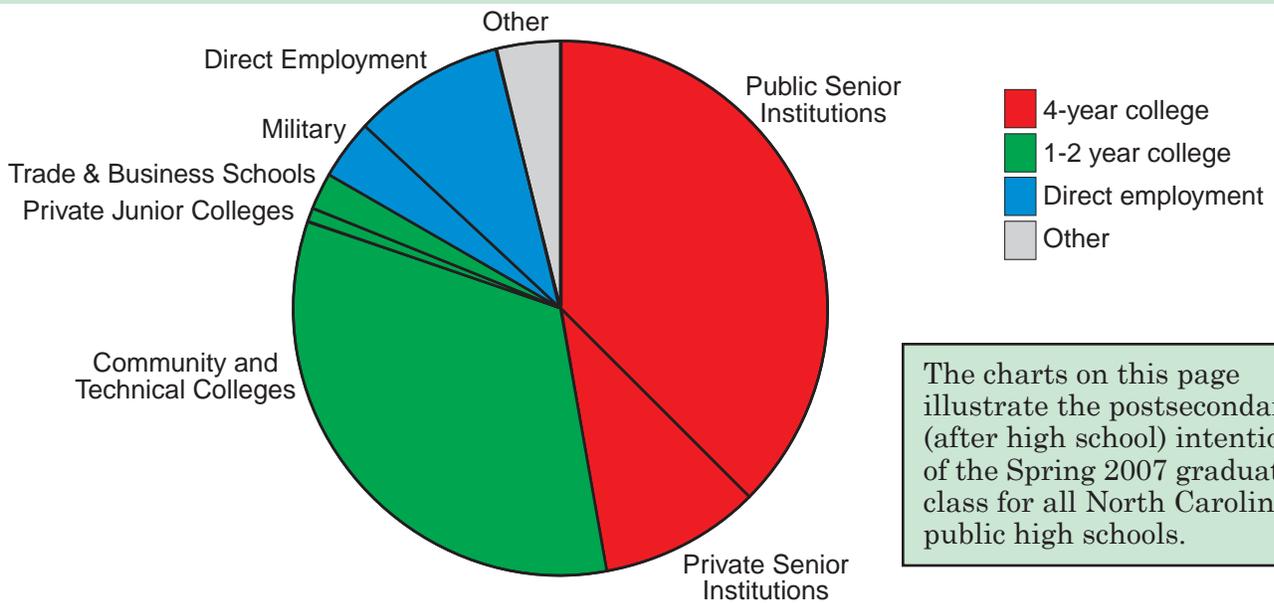
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Postsecondary Intentions of NC High School Graduates



The charts on this page illustrate the postsecondary (after high school) intentions of the Spring 2007 graduating class for all North Carolina public high schools.

Postsecondary Intention	Graduates	%
Public Senior Institutions	30,632	38.0
Private Senior Institutions	7,782	9.7
Community and Technical Colleges	28,008	34.7
Private Junior Colleges	494	0.6
Trade and Business Schools	1,484	1.8
Military	2,502	3.1
Direct Employment	6,408	7.9
Other	3,296	4.1
2007 total HS graduates	80,606	
All 4-year (public & private)	38,414	47.7
All 1-2 year (comm, tech, junior, trade)	29,986	37.1
All Direct Employment/Military	8,910	11.0

Take time to investigate the career outlook for the careers that interest you, and then decide what postsecondary education program you need to get started in that career.

The charts on these two pages seem to indicate that the postsecondary education programs that most students think they are going into does not match the postsecondary education requirements of the jobs that will be available to them.

This can lead to people getting a college education that prepares them for a career that does not exist or does not have any openings.

Comparing the data from these two pages; high school graduate intentions vs. education/training requirements by employers.

	2007 graduate intentions	2016 education requirements
4-year college	47.7%	20.1%
1-2 year college	37.1%	9.0%
OJT (direct employment)	11.0%	59.6%

47.7% of the 2007 NC high school graduating seniors indicated that they would go on to a Senior Institution (four-year college program) that would prepare them for 20.1% of the job openings projected through 2016.

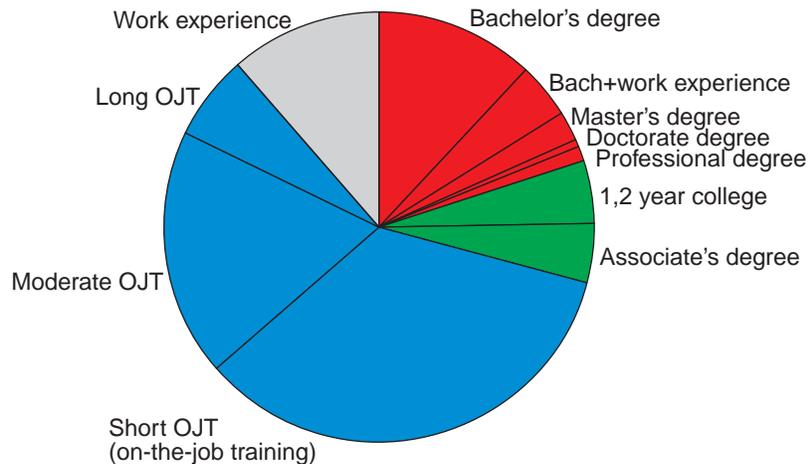
37.1% of the 2007 NC high school graduating seniors indicated that they would go on to a Community and Technical College, Private Junior College, or Trade and Business School that would prepare them for 9.0% of the job openings projected through 2016.

11.0% of the 2007 NC high school graduating seniors indicated that they would go on to the military or direct employment, which includes 59.6% of the job openings projected through 2016.

Postsecondary Education Requirements for all NC Jobs

- 4-year (or more) college
- 1-2 year college
- OJT (on-the-job training)
- Past work experience

The charts on this page illustrate the minimum postsecondary education/ training requirements for all jobs in North Carolina projected to 2016. This data includes only jobs that have a regular paycheck and does not include independent contractors and business owners.



Education Level *	2006		2016		2006 - 2016 Annual Average					
	Employment	%	Employment	%	Growth	%	Replacements	%	Openings	%
Bachelor	484,558	11.3	592,450	11.9	10,853	14.6	9,284	9.9	20,137	12.0
Bach+work	181,757	4.2	203,955	4.1	2,300	3.1	3,905	4.2	6,205	3.7
Master	83,354	1.9	107,760	2.2	2,445	3.3	1,509	1.6	3,954	2.4
Doctorate	25,259	0.6	33,529	0.7	829	1.1	474	0.5	1,303	0.8
Professional	48,810	1.1	61,545	1.2	1,276	1.7	891	0.9	2,167	1.3
1,2 year	188,813	4.4	228,797	4.6	4,076	5.5	3,447	3.7	7,523	4.5
Associate	170,472	4.0	216,467	4.4	4,610	6.2	3,333	3.5	7,943	4.7
Short OJT	1,484,493	34.7	1,710,346	34.5	24,298	32.7	40,398	43.0	64,696	38.5
Mod. OJT	832,747	19.4	926,263	18.7	11,815	15.9	15,099	16.1	26,914	16.0
Long OJT	290,922	6.8	323,566	6.5	4,623	6.2	6,467	6.9	11,090	6.6
Work exp.	491,182	11.5	559,386	11.3	7,080	9.5	9,164	9.8	16,244	9.7
Total	4,282,367		4,964,064		74,205		93,971		168,176	
all 4-year	823,738	19.2	999,239	20.1	17,703	23.9	16,063	17.1	33,766	20.1
all 1-2 year	359,285	8.4	445,264	9.0	8,686	11.7	6,780	7.2	15,466	9.2
all OJT	2,608,162	60.9	2,960,175	59.6	40,736	54.9	61,964	65.9	102,700	61.1

* Education levels are defined on page 11.

NC Employment Security Commission (www.ncesc.com)

Table Notes:

The left side of this table shows the number and percentage of jobs in NC based on the usual minimum education/training requirements. Included are the 2006 data and the employment projections through 2016.

2006-2016 Annual Average - Growth is the projected total number of **new** positions added each year from 2006 to 2016. A high number indicates an expansion in the number of jobs due to industry growth.

2006-2016 Annual Average - Replacements is the number of **existing** positions that are projected to become available each year from 2006 to 2016. A high number indicates increased retirements or high job turnover.

2006-2016 Annual Average - Openings is the total projected average number of annual job openings in each education category from 2006 to 2016. This includes both Growth and Replacements.

North Carolina Occupational Trends

Which occupations have the most job openings? Which occupations have the least job openings?
Choosing a career in a growing, expanding area should make it easier to find a job.

Fastest Growing Occupations in North Carolina

Change In Openings projected from 2006 - 2016

Total Change	Total %Δ	
27,860	38.63	Home Health Aides
25,970	26.33	Combined Food Preparation and Serving Workers, Including Fast Food
25,100	31.64	Registered Nurses
23,510	17.4	Retail Salespersons
19,410	27.71	Customer Service Representatives
15,870	23.18	Waiters and Waitresses
13,900	75.78	Personal and Home Care Aides
11,060	20.26	Executive Secretaries and Administrative Assistants
10,310	19.92	Janitors and Cleaners, Except Maids and Housekeeping Cleaners
10,130	15.8	Office Clerks, General
9,370	26.38	Construction Laborers
9,150	15.88	Bookkeeping, Accounting, and Auditing Clerks
8,770	23.98	Elementary School Teachers, Except Special Education
8,420	23.51	First-Line Supervisors/ Managers of Construction Trades and Extraction Workers
8,350	26.5	Receptionists and Information Clerks
8,340	66.4	Social and Human Service Assistants
8,270	29.06	Business Operations Specialists, all other
8,100	23.96	Landscaping and Groundskeeping Workers
7,840	21.44	Carpenters
7,490	24.28	Food Preparation Workers
7,270	19.65	Teacher Assistants
7,070	12.29	Truck Drivers, Heavy and Tractor-Trailer
6,990	9.84	First-Line Supervisors/ Managers of Retail Sales Workers
6,580	30.19	Nursing Aides, Orderlies, and Attendants
6,330	24.11	Cooks, Restaurant

Total Change In Openings projected from 2006 - 2016

Total Percentage Change (%Δ) projected from 2006 - 2016

Total Change In Openings includes new positions from job growth as well as replacements for open positions through retirement and turnover.

Fastest Declining Occupations in North Carolina

Change In Openings projected from 2006 - 2016

Total Change	Total %Δ	
-5,700	-40.1	Sewing Machine Operators
-4,340	-45.53	Textile Knitting and Weaving Machine Setters, Operators, and Tenders
-4,260	-42.48	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders
-3,820	-46.04	Upholsterers
-3,150	-7.24	Farmers and Ranchers
-2,490	-8.26	Packers and Packagers, Hand
-2,400	-11.43	Inspectors, Testers, Sorters, Samplers, and Weighers
-1,990	-7.12	First-Line Supervisors/ Managers of Production and Operating Workers
-1,970	-4.16	Stock Clerks and Order Fillers
-1,880	-39.37	Textile Bleaching and Dyeing Machine Operators and Tenders
-1,870	-29.31	Cabinetmakers and Bench Carpenters
-1,780	-14.13	Farmworkers and Laborers, Crop, Nursery, and Greenhouse
-1,630	-28.18	Order Clerks
-1,340	-21.6	Electrical and Electronic Equipment Assemblers
-1,320	-37.2	Furniture Finishers
-1,130	-16.06	Machine Feeders and Offbearers
-1,120	-35.79	File Clerks
-870	-38.93	Textile Cutting Machine Setters, Operators, and Tenders
-860	-24.12	Computer Operators
-830	-19.73	Farm, Ranch, and Other Agricultural Managers
-790	-16.46	Cutting and Slicing Machine Setters, Operators, and Tenders
-780	-48.14	Photographic Processing Machine Operators
-770	-13.58	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders
-710	-30.89	Cutters and Trimmers, Hand
-660	-10.01	Woodworking Machine Setters, Operators, and Tenders, Except Sawing

NC Employment Security Commission (www.ncesc.com)

Jobs in North Carolina with a high number of projected openings that require only on-the-job training (OJT) after high school

Moderate OJT (1-12 months) listed by top-paying entry-level NC salaries

Refractory Materials Repairers, Except Brickmasons	\$29,240
Sales Representatives, Services, all other	\$28,906
Tank Car, Truck, and Ship Loaders	\$27,378
Dental Assistants	\$26,114
Operating Engineers and Other Construction Equipment Operators	\$25,026
Advertising Sales Agents	\$24,097
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$23,828
Mechanical Door Repairers	\$23,659
Sheet Metal Workers	\$23,261
Painters, Construction and Maintenance	\$21,852
Paving, Surfacing, and Tamping Equipment Operators	\$21,765
Cement Masons and Concrete Finishers	\$21,215
Medical Assistants	\$20,951
Pipelayers	\$20,902
Roofers	\$20,823
Customer Service Representatives	\$20,674
Fence Erectors	\$20,253
Insulation Workers, Mechanical	\$19,935
Social and Human Service Assistants	\$19,890
Psychiatric Technicians	\$19,719
Locksmiths and Safe Repairers	\$18,832
Construction Laborers	\$18,170
Pharmacy Technicians	\$18,083
Demonstrators and Product Promoters	\$17,010
Entertainment Attendants and Related Workers, all other	\$16,245
Residential Advisors	\$14,123

Short OJT (less than 1 month) listed by top-paying entry-level NC salaries

Bill and Account Collectors	\$21,693
Helpers--Extraction Workers	\$21,171
Tellers	\$20,490
Helpers--Electricians	\$19,700
Psychiatric Aides	\$19,459
Healthcare Support Workers, all other	\$19,445
Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	\$19,424
Physical Therapist Aides	\$18,829
Nursing Aides, Orderlies, and Attendants	\$18,342
Helpers--Carpenters	\$17,587
Receptionists and Information Clerks	\$17,313
Building Cleaning Workers, all other	\$17,292
Locker Room, Coatroom, and Dressing Room Attendants	\$17,201
Tire Repairers and Changers	\$16,925
Landscaping and Groundskeeping Workers	\$16,604
Home Health Aides	\$16,382
Personal and Home Care Aides	\$15,756
Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	\$14,399
Service Station Attendants	\$14,316
Food Preparation Workers	\$14,216
Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	\$14,213
Bartenders	\$14,181
Waiters and Waitresses	\$14,167
Amusement and Recreation Attendants	\$14,152
Combined Food Preparation and Serving Workers, Including Fast Food	\$14,143

Long OJT (more than a year) listed by top-paying entry-level NC salaries

Elevator Installers and Repairers	\$34,390
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	\$27,287
Boilermakers	\$26,907
Plumbers, Pipefitters, and Steamfitters	\$26,506
Terrazzo Workers and Finishers	\$26,309
Recreational Vehicle Service Technicians	\$24,710
Opticians, Dispensing	\$24,351
Reinforcing Iron and Rebar Workers	\$24,000
Audio and Video Equipment Technicians	\$23,799
Artists and Related Workers, all other	\$23,650
Interpreters and Translators	\$21,821
Tile and Marble Setters	\$21,790
Coaches and Scouts	\$18,515
Athletes and Sports Competitors	\$16,519
Cooks, Restaurant	\$15,316

Entry-level salaries can be used as a quick comparison to see how much money you will earn immediately out of school. You should also consider the average and maximum salaries since these can vary from career to career. Some careers may have high entry-level salaries and may not increase much over the term of your career. Some careers might have a low entry-level salary, but might increase a lot over the years that you work.

Jobs in North Carolina with a high number of projected openings listed by minimum education level required and average entry-level salaries

1- or 2-year certificate program

Court Reporters	\$30,961
Aircraft Mechanics and Service Technicians	\$30,862
Healthcare Practitioners & Technical Workers, all other	\$28,759
Health Technologists and Technicians, all other	\$28,583
Surgical Technologists	\$28,452
Security and Fire Alarm Systems Installers	\$26,748
Legal Secretaries	\$23,409
Massage Therapists	\$19,931
Fitness Trainers and Aerobics Instructors	\$17,399
Skin Care Specialists	\$16,681
Manicurists and Pedicurists	\$16,589
Preschool Teachers, Except Special Education	\$15,913
Hairdressers, Hairstylists, and Cosmetologists	\$14,575

Associate's degree

Radiation Therapists	\$52,720
Diagnostic Medical Sonographers	\$48,149
Dental Hygienists	\$47,962
Registered Nurses	\$43,269
Respiratory Therapists	\$39,582
Cardiovascular Technologists and Technicians	\$37,468
Physical Therapist Assistants	\$35,634
Medical Equipment Repairers	\$31,066
Biological Technicians	\$28,472
Forensic Science Technicians	\$27,772
Occupational Therapist Assistants	\$27,443
Paralegals and Legal Assistants	\$27,121
Social Science Research Assistants	\$21,626
Medical Records and Health Information Technicians	\$20,642
Veterinary Technologists and Technicians	\$19,871

Bachelor's degree

Physician Assistants	\$65,785
Computer Software Engineers, Systems Software	\$62,671
Aerospace Engineers	\$59,130
Computer Software Engineers, Applications	\$58,056
Construction Managers	\$55,868
Biomedical Engineers	\$50,489
Environmental Engineers	\$49,917
Computer Systems Analysts	\$49,510
Financial Analysts	\$49,420
Database Administrators	\$46,636
Life Scientists, all other	\$46,473
Occupational Therapists	\$46,174
Network Systems and Data Communications Analysts	\$43,149
Network and Computer Systems Administrators	\$42,798
Logisticians	\$42,447
Personal Financial Advisors	\$40,976
Technical Writers	\$38,544
Surveyors	\$37,490
Compensation, Benefits, and Job Analysis Specialists	\$36,155
Business Operations Specialists, all other	\$34,971
Social and Community Service Managers	\$34,532
Directors, Religious Activities and Education	\$33,311
Medical and Public Health Social Workers	\$32,600
Multi-Media Artists and Animators	\$32,261
Child, Family, and School Social Workers	\$31,200
Special Education Teachers, Preschool, Kindergarten, and Elementary School	\$30,975
Elementary School Teachers, Except Special Education	\$29,969
Social Workers, all other	\$29,800
Special Education Teachers, Middle School	\$29,782
Athletic Trainers	\$28,726
Employment, Recruitment, and Placement Specialists	\$28,085
Kindergarten Teachers, Except Special Education	\$27,777
Community and Social Service Specialists, other	\$26,737
Graduate Teaching Assistants	\$19,752
Religious Workers, all other	\$18,810

Jobs in North Carolina with a high number of projected openings listed by minimum education level required and average entry-level salaries

Bachelor's degree plus work experience

Natural Sciences Managers	\$71,090
Medical and Health Services Managers	\$55,804
Education Administrators, Postsecondary	\$43,683
Agents and Business Managers of Artists, Performers, and Athletes	\$29,242
Education Administrators, Preschool and Child Care Center/ Program	\$27,719

Master's degree

Physical Therapists	\$55,318
Epidemiologists	\$51,876
Statisticians	\$46,235
Business Teachers, Postsecondary	\$41,141
Home Economics Teachers, Postsecondary	\$40,329
Marriage and Family Therapists	\$39,807
Health Specialties Teachers, Postsecondary	\$39,269
Mathematical Science Teachers, Postsecondary	\$39,215
Instructional Coordinators	\$36,719
Environmental Scientists and Specialists, Including Health	\$36,266
English Language and Literature Teachers, Postsecondary	\$35,521
Art, Drama, and Music Teachers, Postsecondary	\$35,219
Recreation and Fitness Studies Teachers, Postsecondary	\$35,097
Geoscientists, Except Hydrologists and Geographers	\$33,937
Health Educators	\$32,831
Foreign Language and Literature Teachers, Postsecondary	\$32,814
Mental Health and Substance Abuse Social Workers	\$31,035
Survey Researchers	\$29,355
Mental Health Counselors	\$27,496
Substance Abuse and Behavioral Disorder Counselors	\$25,774
Rehabilitation Counselors	\$21,667

Doctorate degree

Computer and Information Scientists, Research	\$52,412
Engineering Teachers, Postsecondary	\$52,043
Physicists	\$49,728
Medical Scientists, Except Epidemiologists	\$47,391
Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	\$47,276
Physics Teachers, Postsecondary	\$46,699
Economics Teachers, Postsecondary	\$46,586
Geography Teachers, Postsecondary	\$45,630
Library Science Teachers, Postsecondary	\$45,474
Biochemists and Biophysicists	\$44,937
Biological Science Teachers, Postsecondary	\$43,981
Chemistry Teachers, Postsecondary	\$43,129
Nursing Instructors and Teachers, Postsecondary	\$42,683
Anthropology and Archeology Teachers, Postsecondary	\$42,671
Social Work Teachers, Postsecondary	\$42,232
Architecture Teachers, Postsecondary	\$40,792
Computer Science Teachers, Postsecondary	\$40,712
Political Science Teachers, Postsecondary	\$40,710
Clinical, Counseling, and School Psychologists	\$40,677
Forestry and Conservation Science Teachers, Postsecondary	\$40,651
Psychology Teachers, Postsecondary	\$40,488
Postsecondary Teachers, all other	\$39,583
Philosophy and Religion Teachers, Postsecondary	\$39,146
History Teachers, Postsecondary	\$38,763
Environmental Science Teachers, Postsecondary	\$38,712
Education Teachers, Postsecondary	\$38,662
Sociology Teachers, Postsecondary	\$38,081
Criminal Justice and Law Enforcement Teachers, Postsecondary	\$37,431
Communications Teachers, Postsecondary	\$36,172
Area, Ethnic, and Cultural Studies Teachers, Postsecondary	\$35,845

Professional degree

Psychiatrists	\$115,173
Podiatrists	\$84,593
Pharmacists	\$81,379
Optometrists	\$71,246
Chiropractors	\$61,390
Physicians and Surgeons, all other	\$56,762
Veterinarians	\$51,452
Lawyers	\$50,699
Law Teachers, Postsecondary	\$45,559
Clergy	\$32,897

Interest Profiler

The Interest Profiler helps you find out what your interests are and how they relate to the world of work. It does this by asking you to answer questions that represent important interest areas. Your Interest Profiler scores will help you identify your strongest work-related interests. Knowing your work interests can help you decide what kinds of jobs and careers you want to explore.

Directions:

If you think you would LIKE the work activity, mark the box containing the **L**.

If you think you would DISLIKE the work activity, mark the box containing the **D**.

If you are UNSURE whether you would like the work activity, mark the box containing the **?**.

Read each question carefully and decide whether or not you would like to do the activity.

Try not to think about whether you have enough education or training to perform the activity, or how much money you would make performing the activity.

Simply think about whether you would “like” or “dislike” performing the work activity.

- | | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Build kitchen cabinets
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 2. Study space travel
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 3. Conduct a symphony orchestra
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 4. Teach an individual an exercise routine
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 5. Buy and sell stocks and bonds
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 6. Develop a spreadsheet using computer software
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D |
| 7. Guard money in an armored car
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 8. Make a map of the bottom of an ocean
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 9. Write stories or articles for magazines
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 10. Perform nursing duties in a hospital
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 11. Manage a retail store
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 12. Proofread records or forms
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D |
| 13. Operate a dairy farm
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 14. Study the history of past civilizations
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 15. Direct a play
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 16. Give CPR to someone who has stopped breathing
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 17. Sell telephone and other communication equipment
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 18. Use a computer program to generate customer bills
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D |
| 19. Lay brick or tile
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 20. Study animal behavior
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 21. Create dance routines for a show
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 22. Help people with personal or emotional problems
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 23. Operate a beauty salon or barber shop
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 24. Schedule conferences for an organization
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D |
| 25. Monitor a machine on an assembly line
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 26. Develop a new medicine
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 27. Write books or plays
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 28. Teach children how to read
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 29. Sell merchandise over the telephone
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 30. Keep accounts payable/receivable for an office
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D |
| 31. Repair household appliances
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 32. Plan a research study
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 33. Play a musical instrument
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 34. Work with mentally disabled children
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 35. Run a stand that sells newspapers and magazines
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 36. Load computer software into a large computer network
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D |
| 37. Drive a taxi cab
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 38. Study ways to reduce water pollution
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 39. Perform comedy routines in front of an audience
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 40. Teach an elementary school class
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 41. Give a presentation about a product you are selling
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D | 42. Transfer funds between banks using a computer
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D |

continue to the questions on the following page →

___ | R ___ | I ___ | A ___ | S ___ | E ___ | C

Interest Profiler (continued)

- | | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>43. Install flooring in houses
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>44. Develop a new medical treatment or procedure
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>45. Perform as an extra in movies, plays, or television shows
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>46. Give career guidance to people
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>47. Buy and sell land
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>48. Organize and schedule office meetings
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> |
| <p>49. Raise fish in a fish hatchery
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>50. Determine the infection rate of a new disease
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>51. Write reviews of books or plays
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>52. Supervise the activities of children at a camp
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>53. Sell compact disks and tapes at a music store
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>54. Use a word processor to edit and format documents
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> |
| <p>55. Build a brick walkway
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>56. Study rocks and minerals
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>57. Compose or arrange music
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>58. Help people with family-related problems
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>59. Run a toy store
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>60. Operate a calculator
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> |
| <p>61. Assemble electronic parts
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>62. Diagnose and treat sick animals
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>63. Act in a movie
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>64. Perform rehabilitation therapy
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>65. Manage the operations of a hotel
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>66. Direct or transfer phone calls for a large organization
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> |
| <p>67. Drive a truck to deliver packages to offices and homes
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>68. Study the personalities of world leaders
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>69. Dance in a Broadway show
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>70. Do volunteer work at a non-profit organization
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>71. Sell houses
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>72. Perform office filing tasks
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> |
| <p>73. Paint houses
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>74. Conduct chemical experiments
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>75. Draw pictures
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>76. Help elderly people with their daily activities
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>77. Sell candy and popcorn at sports events
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>78. Compute and record statistical and other numerical data
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> |
| <p>79. Enforce fish and game laws
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>80. Conduct biological research
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>81. Sing professionally
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>82. Teach children how to play sports
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>83. Manage a supermarket
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>84. Generate the monthly payroll checks for an office
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> |
| <p>85. Operate a grinding machine in a factory
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>86. Study the population growth of a city
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>87. Perform stunts for a movie or television show
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>88. Help disabled people improve their daily living skills
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>89. Manage a department within a large company
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>90. Take notes during a meeting
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> |
| <p>91. Work on an offshore oil-drilling rig
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>92. Study whales and other types of marine life
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>93. Create special effects for movies
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>94. Teach sign language to people with hearing disabilities
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>95. Sell a soft drink product line to stores and restaurants
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>96. Keep shipping and receiving records
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> |
| <p>97. Perform lawn care services
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>98. Investigate crimes
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>99. Conduct a musical choir
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>100. Help people who have problems with drugs or alcohol
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>101. Sell refreshments at a movie theater
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> | <p>102. Calculate the wages of employees
<input type="checkbox"/> L <input type="checkbox"/> ? <input type="checkbox"/> D</p> |

continue to the summary on the following page

R I A S E C

Interest Profiler Summary

If you have not already done so, please complete the Interest Profiler starting on page 8.

Count the number of "Likes" in each column and enter that number on the line at the bottom of pages 8 and 9. Enter those column totals here and add them together to get the grand totals for both pages.

page 8, R	___	+	___	Realistic
page 9, R	___			
page 8, I	___	+	___	Investigative
page 9, I	___			
page 8, A	___	+	___	Artistic
page 9, A	___			
page 8, S	___	+	___	Social
page 9, S	___			
page 8, E	___	+	___	Enterprising
page 9, E	___			
page 8, C	___	+	___	Conventional
page 9, C	___			

Primary Interest Area:

Which Interest Area has your highest score: R, I, A, S, E, or C? Enter the letter for that Interest Area here.

My Primary Interest Area: _____

(If two Interest Areas are tied for the highest score or are within 5 points of each other, use both of them for your Primary Interest Area. You have two equally strong interests.)

Secondary Interest Areas:

Which Interest Area has your next highest score?
Which Interest Area has your third highest score?
Enter the letters for those areas here.

My Secondary Interest Areas: _____ & _____

(If you do not find many occupations that you like using your Primary Interest Area, you can use your Secondary Interest Areas to look at more career options.)

What Your Primary Interest Area Means

You can think of occupational interests as your liking or preference for certain work activities. The Interest Profiler measures interests in each of the six Interest Areas. Read over the definitions of your Primary and Secondary Interest Areas to get a better understanding of your occupational interests.

Realistic: People with Realistic interests like work activities that include practical, hands-on problems and solutions. They enjoy dealing with plants, animals, and real-world materials, like wood, tools, and machinery. They enjoy outside work. Often people with Realistic interests do not like occupations that mainly involve doing paperwork or working closely with others.

Investigative: People with Investigative interests like work activities that have to do with ideas and thinking more than with physical activity. They like to search for facts and figure out problems mentally rather than to persuade or lead people.

Artistic: People with Artistic interests like work activities that deal with the artistic side of things, such as form, design, and pattern. They like self expression in their work. They prefer settings where work can be done without following a clear set of rules.

Social: People with Social interests like work activities that assist others and promote learning and personal development. They prefer to communicate more than to work with objects, machines, or data. They like to teach, to give advice, to help, or otherwise be of service to people.

Enterprising: People with Enterprising interests like work activities that have to do with starting up and carrying out projects, especially business ventures. They like persuading and leading people and making decisions. They like taking risks for profit. These people prefer action rather than thought.

Conventional: People with Conventional interests like work activities that follow set procedures and routines. They prefer working with data and detail more than with ideas. They prefer work in which there are precise standards rather than work in which you have to judge things by yourself. These people like working where the lines of authority are clear.

What Careers Are Linked with Your Interests?

Now that you know your Primary and Secondary Interest Areas and have read their descriptions, you are ready to find the careers that are linked with your interests. To help you identify careers that can satisfy your interests, the charts in the rest of this book list the interests associated with each career. Look for careers that match your primary or secondary interests.

Talk to your career development coordinator for more help on how to use your Interest Profiler results.

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Career Cluster Career Charts

The charts on the following pages allow comparison of careers within each of the 16 career clusters. The following information is included on these career cluster charts.

SOC code

The *Standard Occupational Classification* system classifies all careers and assigns a unique number to each. This SOC number can be used to follow up with other career databases.

interest

Interests are the likes and dislikes of the people who work in each career.

Realistic/doers
Social/helpers

Investigative/thinkers
Enterprising/persuaders

Artistic/creators
Conventional/organizers

min. educ.

Minimum education is the usual minimum level of postsecondary (after high school) education/training required for each career.

Some careers have on-the-job training (OJT), which means that you go straight to the job out of high school and learn while you work.

short OJT — Short on-the-job training (less than one month)

mod. OJT — Moderate on-the-job training (1 to 12 months)

long OJT — Long on-the-job training (more than one year). Long OJT usually includes community college or trade school courses.

Some careers require further education after high school before starting the career.

1,2 year — one- or two-year program at a trade school or community college

Associate — Associate's degree — two-year degree program at a community college

Bachelor — Bachelor's degree — four-year degree program at a college or university

Bachelor+ — Bachelor's degree plus related work experience

Master — Master's degree — two or more years after Bachelor's degree

Doctorate — Doctorate degree — three or more years after Bachelor's degree

Profess. — Professional degree — three or more years after Bachelor's degree

work exp. — work experience in a related occupation

openings outlook

Openings outlook is the projected change in the number of job openings per year (annual percent change) in North Carolina from 2006 to 2016. **High openings outlook** means that the number of openings is increasing, so the likelihood of getting a job in this occupation is good. **Low openings outlook** means that there may not be any openings, so the likelihood of getting a job in this occupation may not be very good.

low - below average projected employment openings (less than 1% increase per year)

moderate - average projected employment openings (between 1 and 2.1% increase per year)

high - above average projected employment openings (over 2.1% increase per year)

Black text indicates that openings outlook data are not available.

current workers

Current workers is the number of people in North Carolina who are currently employed in this career (based on 2006 employment data). This includes full-time and part-time employees, but excludes proprietors, owners and partners of unincorporated firms, unpaid family workers, workers on unpaid leave, military, independent contractors, and temporary agency employees not on a company payroll.

salary entry

Salary entry is the 2007 estimated average salary for all entry-level (first-year) workers in this career in North Carolina. This does not include overtime pay or non-production-based bonuses.

salary all

Salary all is the 2007 estimated average salary (mean) for all workers in this career in North Carolina. This does not include overtime pay or non-production-based bonuses.

This information is from the Employment Security Commission of North Carolina (www.ncesc.com).

** Blanks in these tables represent missing data, some due to confidentiality because of small numbers of workers in an occupation.*

Agriculture, Food and Natural Resources Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Agricultural Equipment Operators	45-2091.00	R	mod. OJT	-1.63	1,290	\$14,503	\$21,199
Agricultural Inspectors	45-2011.00	RIC	work exp.	0.05	550	\$28,786	\$37,724
Agricultural Workers, all other	45-2099.99	*	short OJT	*	*	\$17,794	\$23,650
Animal Breeders	45-2021.00	RI	mod. OJT	*	*	*	*
Animal Scientists	19-1011.00	IR	Bachelor	*	*	*	*
Biochemists and Biophysicists	19-1021.00	IR	Doctorate	2.14	850	\$44,937	\$71,050
Biologists	19-1020.01	IR	Bachelor	*	*	*	*
Butchers and Meat Cutters	51-3021.00	RE	long OJT	0.18	3,930	\$17,557	\$25,536
Cartographers and Photogrammetrists	17-1021.00	CIRA	Bachelor	1.64	520	\$31,480	\$45,058
Commercial Divers	49-9092.00	R	mod. OJT	*	*	*	*
Continuous Mining Machine Operators	47-5041.00	R	mod. OJT	*	*	*	*
Derrick Operators, Oil and Gas	47-5011.00	R	mod. OJT	*	*	*	*
Dredge Operators	53-7031.00	R	mod. OJT	1.63	130	\$22,534	\$29,287
Environmental Engineering Technicians	17-3025.00	*	Associate	1.72	370	\$30,106	\$40,270
Environmental Engineers	17-2081.00	*	Bachelor	2.37	1,770	\$49,917	\$71,158
Environmental Science and Protection Technicians, Including Health	19-4091.00	IR	Associate	1.78	830	\$28,334	\$40,033
Explosives Workers, Ordnance Handling Experts, and Blasters	47-5031.00	R	mod. OJT	*	*	\$36,026	\$43,256
Fallers	45-4021.00	R	mod. OJT	-2.65	710	\$23,771	\$31,112
Farm and Home Management Advisors	25-9021.00	SREC	Bachelor	0.98	950	\$28,086	\$45,100
Farm Equipment Mechanics	49-3041.00	R	1,2 year	0.65	510	\$26,047	\$33,426
Farm, Ranch, and Other Agricultural Managers	11-9011.00	ERC	Bachelor +	-2.17	4,180	\$31,716	\$48,801
Farmers and Ranchers	11-9012.00	REC	long OJT	-0.75	43,510	*	*
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	45-2092.00	R	short OJT	-1.51	12,560	\$14,139	\$17,942
Farmworkers, Farm and Ranch Animals	45-2093.00	RC	short OJT	-1.40	1,700	\$16,679	\$21,109
First-Line Supervisors/ Managers of Farming, Fishing, and Forestry Workers	45-1011.00	RE	work exp.	*	*	\$28,125	\$43,948
First-Line Supervisors/ Managers of Landscaping, Lawn Service and Groundskeeping Workers	37-1012.00	ERC	work exp.	2.03	8,040	\$26,605	\$38,302
Fish and Game Wardens	33-3031.00	RIS	long OJT	*	*	\$26,319	\$37,605
Fishers and Related Fishing Workers	45-3011.00	RE	mod. OJT	-6.70	60	*	*
Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	51-3091.00	R	short OJT	0.07	550	\$18,860	\$34,856
Food Batchmakers	51-3092.00	R	short OJT	1.98	1,550	\$16,174	\$23,892
Food Cooking Machine Operators and Tenders	51-3093.00	R	short OJT	0.34	640	\$16,751	\$22,303
Food Scientists and Technologists	19-1012.00	IRC	Bachelor	*	*	\$31,482	\$54,774
Forest and Conservation Technicians	19-4093.00	*	Associate	0.52	560	\$27,929	\$37,239
Forest and Conservation Workers	45-4011.00	RI	mod. OJT	*	*	*	*
Foresters	19-1032.00	RI	Bachelor	0.55	340	\$40,775	\$57,340
Gas Compressor and Gas Pumping Station Operators	53-7071.00	R	mod. OJT	*	*	*	*

Agriculture, Food and Natural Resources (continued)

Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Gas Plant Operators	51-8092.00	R	long OJT	-1.35	60	\$35,861	\$44,015
Geological and Petroleum Technicians	19-4041.00	RI	Associate	*	*	*	*
Graders and Sorters, Agricultural Products	45-2041.00	RC	work exp.	-0.40	1,230	\$14,321	\$17,784
Grounds Maintenance Workers, all other	37-3019.99	*	short OJT	1.51	60	*	*
Helpers--Extraction Workers	47-5081.00	R	short OJT	2.43	170	\$21,171	\$24,134
Hunters and Trappers	45-3021.00	R	mod. OJT	*	*	*	*
Landscaping and Groundskeeping Workers	37-3011.00	R	short OJT	2.17	33,800	\$16,604	\$21,497
Loading Machine Operators, Underground Mining	53-7033.00	R	mod. OJT	*	*	*	*
Log Graders and Scalers	45-4023.00	CR	mod. OJT	0.28	240	\$23,349	\$29,483
Logging Equipment Operators	45-4022.00	R	mod. OJT	-1.12	2,260	\$20,529	\$28,733
Meat, Poultry, and Fish Cutters and Trimmers	51-3022.00	R	short OJT	0.62	8,400	\$16,873	\$19,704
Mine Cutting and Channeling Machine Operators	47-5042.00	R	mod. OJT	*	*	*	*
Mining Machine Operators, all other	47-5049.99	R	mod. OJT	*	*	*	*
Natural Sciences Managers	11-9121.00	IER	Bachelor +	2.56	1,400	\$71,090	\$112,288
Nonfarm Animal Caretakers	39-2021.00	R	short OJT	0.96	4,160	\$14,843	\$19,637
Pest Control Workers	37-2021.00	R	mod. OJT	1.73	2,810	\$20,119	\$29,065
Pesticide Handlers, Sprayers, and Applicators, Vegetation	37-3012.00	R	mod. OJT	1.69	490	\$20,254	\$28,177
Petroleum Pump System Operators, Refinery Operators, and Gaugers	51-8093.00	RC	long OJT	1.14	100	\$35,179	\$46,549
Pump Operators, Except Wellhead Pumpers	53-7072.00	R	mod. OJT	-0.49	60	\$30,797	\$37,829
Purchasing Agents and Buyers, Farm Products	13-1021.00	ECR	work exp.	-0.62	280	\$31,667	\$47,304
Refuse and Recyclable Material Collectors	53-7081.00	R	short OJT	0.92	3,750	\$16,583	\$23,333
Rock Splitters, Quarry	47-5051.00	R	mod. OJT	*	*	\$19,381	\$24,705
Roof Bolters, Mining	47-5061.00	R	*	*	*	*	*
Rotary Drill Operators, Oil and Gas	47-5012.00	R	mod. OJT	*	*	*	*
Roustabouts, Oil and Gas	47-5071.00	R	mod. OJT	*	*	*	*
Sawing Machine Setters, Operators, and Tenders, Wood	51-7041.00	R	mod. OJT	-0.28	3,030	\$19,651	\$25,439
Service Unit Operators, Oil, Gas, and Mining	47-5013.00	R	mod. OJT	*	*	*	*
Shuttle Car Operators	53-7111.00	R	short OJT	*	*	*	*
Slaughterers and Meat Packers	51-3023.00	R	mod. OJT	0.58	7,750	\$16,982	\$20,297
Soil and Plant Scientists	19-1013.00	IR	Bachelor	1.31	590	\$37,236	\$60,886
Tree Trimmers and Pruners	37-3013.00	R	short OJT	1.53	2,650	\$21,816	\$27,716
Veterinarians	29-1131.00	IR	Profess.	3.48	2,000	\$51,452	\$85,345
Veterinary Assistants and Laboratory Animal Caretakers	31-9096.00	RIS	short OJT	2.02	3,060	\$15,740	\$20,328
Veterinary Technologists and Technicians	29-2056.00	*	Associate	3.93	2,140	\$19,871	\$26,417
Water and Liquid Waste Treatment Plant and System Operators	51-8031.00	R	long OJT	1.88	3,110	\$25,391	\$33,456
Wellhead Pumpers	53-7073.00	RC	mod. OJT	*	*	*	*
Zoologists and Wildlife Biologists	19-1023.00	IR	Bachelor	0.99	380	\$40,219	\$55,000

Architecture and Construction Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Architects, Except Landscape and Naval	17-1011.00	ARIE	Bachelor	1.83	3,520	\$45,866	\$72,610
Brickmasons and Blockmasons	47-2021.00	R	long OJT	1.87	7,210	\$25,243	\$35,315
Carpenters	47-2031.00	R	long OJT	1.96	36,530	\$24,025	\$31,328
Carpet Installers	47-2041.00	R	mod. OJT	0.79	1,650	\$21,475	\$28,727
Cement Masons and Concrete Finishers	47-2051.00	R	mod. OJT	2.23	4,970	\$21,215	\$27,806
Civil Engineering Technicians	17-3022.00	RIC	Associate	0.85	4,120	\$29,685	\$41,067
Civil Engineers	17-2051.00	RIC	Bachelor	1.74	6,440	\$48,070	\$68,228
Construction and Building Inspectors	47-4011.00	CRIE	work exp.	2.06	3,090	\$33,449	\$45,198
Construction and Related Workers, all other	47-4099.99	R	mod. OJT	1.76	950	\$20,301	\$29,297
Construction Laborers	47-2061.00	R	mod. OJT	2.37	35,540	\$18,170	\$24,388
Construction Managers	11-9021.00	ERC	Bachelor	2.46	21,320	\$55,868	\$78,522
Control and Valve Installers and Repairers, Except Mechanical Door	49-9012.00	R	mod. OJT	0.98	1,010	\$29,311	\$41,760
Cost Estimators	13-1051.00	CE	work exp.	2.68	4,740	\$36,883	\$52,868
Crane and Tower Operators	53-7021.00	R	mod. OJT	1.78	850	\$28,352	\$39,489
Drywall and Ceiling Tile Installers	47-2081.00	R	mod. OJT	1.85	4,070	\$22,825	\$28,879
Earth Drillers, Except Oil and Gas	47-5021.00	R	mod. OJT	1.65	560	\$22,480	\$34,176
Electrical and Electronics Repairers, Powerhouse, Substation and Relay	49-2095.00	R	1,2 year	-0.82	1,320	\$39,931	\$53,123
Electrical Power-Line Installers and Repairers	49-9051.00	R	long OJT	1.35	5,310	\$32,439	\$45,157
Electricians	47-2111.00	R	long OJT	2.01	19,680	\$27,306	\$35,872
Elevator Installers and Repairers	47-4021.00	R	long OJT	2.49	260	\$34,390	\$53,135
Excavating and Loading Machine and Dragline Operators	53-7032.00	R	mod. OJT	1.64	2,170	\$23,853	\$30,912
Fence Erectors	47-4031.00	R	mod. OJT	2.50	830	\$20,253	\$24,351
First-Line Supervisors/ Managers of Construction Trades and Extraction Workers	47-1011.00	ERC	work exp.	2.13	35,800	\$34,845	\$48,744
Floor Layers, Except Carpet, Wood, and Hard Tiles	47-2042.00	R	mod. OJT	*	*	\$19,099	\$30,173
Floor Sanders and Finishers	47-2043.00	R	mod. OJT	0.94	850	\$20,531	\$26,313
Glaziers	47-2121.00	R	long OJT	1.68	1,100	\$24,058	\$30,559
Hazardous Materials Removal Workers	47-4041.00	R	mod. OJT	1.84	770	\$17,357	\$24,389

Architecture and Construction (continued) Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	49-9021.00	R	long OJT	2.15	8,850	\$27,287	\$37,494
Helpers, Construction Trades, all other	47-3019.99	R	short OJT	2.04	460	\$14,654	\$22,370
Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	47-3011.00	R	short OJT	1.92	2,580	\$17,764	\$22,041
Helpers--Carpenters	47-3012.00	R	short OJT	2.28	3,730	\$17,587	\$22,543
Helpers--Electricians	47-3013.00	R	short OJT	2.24	7,960	\$19,700	\$24,654
Helpers--Installation, Maintenance, and Repair Workers	49-9098.00	R	short OJT	1.53	7,100	\$16,637	\$23,375
Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	47-3014.00	R	short OJT	1.01	310	\$17,921	\$20,783
Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	47-3015.00	R	short OJT	2.76	5,050	\$19,424	\$25,003
Helpers--Roofers	47-3016.00	R	short OJT	1.49	740	\$17,619	\$21,118
Highway Maintenance Workers	47-4051.00	R	mod. OJT	1.76	940	\$20,931	\$25,586
Hoist and Winch Operators	53-7041.00	R	mod. OJT	*	*	*	*
Installation, Maintenance, and Repair Workers, all other	49-9099.99	*	mod. OJT	1.44	2,890	\$23,937	\$35,749
Insulation Workers, Floor, Ceiling, and Wall	47-2131.00	R	mod. OJT	1.81	870	\$20,109	\$29,048
Insulation Workers, Mechanical	47-2132.00	R	mod. OJT	2.28	520	\$19,935	\$29,167
Interior Designers	27-1025.00	AER	Bachelor	1.48	2,190	\$27,525	\$43,102
Landscape Architects	17-1012.00	ARI	Bachelor	1.70	540	\$43,224	\$64,217
Manufactured Building and Mobile Home Installers	49-9095.00	R	mod. OJT	-0.37	710	\$20,862	\$27,343
Mechanical Door Repairers	49-9011.00	R	mod. OJT	2.23	350	\$23,659	\$32,950
Mechanical Drafters	17-3013.00	RCI	1,2 year	1.06	1,290	\$33,818	\$49,858
Operating Engineers and Other Construction Equipment Operators	47-2073.00	R	mod. OJT	2.27	13,950	\$25,026	\$31,669
Painters, Construction and Maintenance	47-2141.00	R	mod. OJT	2.21	11,810	\$21,852	\$28,215
Paperhangers	47-2142.00	R	mod. OJT	-0.41	220	\$23,670	\$31,839
Paving, Surfacing, and Tamping Equipment Operators	47-2071.00	R	mod. OJT	2.52	1,790	\$21,765	\$27,594
Pile-Driver Operators	47-2072.00	R	mod. OJT	2.09	150	\$22,530	\$35,405
Pipelayers	47-2151.00	R	mod. OJT	2.41	4,010	\$20,902	\$27,027
Plasterers and Stucco Masons	47-2161.00	R	long OJT	2.09	270	\$22,923	\$30,070

Architecture and Construction (continued)

Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Plumbers, Pipefitters, and Steamfitters	47-2152.00	R	long OJT	2.57	13,060	\$26,506	\$35,795
Refractory Materials Repairers, Except Brickmasons	49-9045.00	R	mod. OJT	2.24	130	\$29,240	\$40,428
Reinforcing Iron and Rebar Workers	47-2171.00	R	long OJT	2.10	320	\$24,000	\$33,842
Riggers	49-9096.00	RE	short OJT	1.97	120	\$22,441	\$32,757
Roofers	47-2181.00	R	mod. OJT	2.28	4,090	\$20,823	\$27,863
Segmental Pavers	47-4091.00	R	mod. OJT	*	*	*	*
Septic Tank Servicers and Sewer Pipe Cleaners	47-4071.00	R	mod. OJT	1.96	600	\$21,202	\$30,884
Sheet Metal Workers	47-2211.00	R	mod. OJT	2.18	6,830	\$23,261	\$31,991
Stationary Engineers and Boiler Operators	51-8021.00	RC	long OJT	-0.16	730	\$24,839	\$38,482
Stonemasons	47-2022.00	R	long OJT	2.08	600	\$23,807	\$31,634
Structural Iron and Steel Workers	47-2221.00	R	long OJT	1.35	1,520	\$25,273	\$33,667
Structural Metal Fabricators and Fitters	51-2041.00	R	mod. OJT	0.88	2,890	\$23,640	\$31,816
Surveyors	17-1022.00	IERC	Bachelor	2.28	1,160	\$37,490	\$55,494
Tapers	47-2082.00	R	mod. OJT	*	*	\$24,824	\$31,133
Terrazzo Workers and Finishers	47-2053.00	R	long OJT	2.18	360	\$26,309	\$32,130
Tile and Marble Setters	47-2044.00	R	long OJT	2.45	1,830	\$21,790	\$29,525

Arts, A/V Technology and Communications Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Actors	27-2011.00	AES	long OJT	-0.63	370	*	*
Artists and Related Workers, all other	27-1019.99	*	long OJT	2.48	160	\$23,650	\$56,887
Athletes and Sports Competitors	27-2021.00	ERS	long OJT	2.47	940	\$16,519	\$98,273
Audio and Video Equipment Technicians	27-4011.00	CS	long OJT	2.79	1,030	\$23,799	\$36,202
Bindery Workers	51-5011.00	R	short OJT	-1.76	1,300	\$17,478	\$25,693
Bookbinders	51-5012.00	R	mod. OJT	-0.87	120	\$18,548	\$24,956
Broadcast News Analysts	27-3021.00	ASEI	Bachelor +	0.00	270	\$28,309	\$75,229
Broadcast Technicians	27-4012.00	RA	Associate	0.65	1,030	\$19,726	\$34,541
Camera Operators, Television, Video, and Motion Picture	27-4031.00	AR	mod. OJT	0.24	280	\$20,951	\$36,417
Choreographers	27-2032.00	ASE	work exp.	1.10	120	*	*
Commercial and Industrial Designers	27-1021.00	ARE	Bachelor	0.64	1,260	\$28,338	\$53,083
Costume Attendants	39-3092.00	ARS	short OJT	*	*	*	*
Craft Artists	27-1012.00	*	long OJT	0.34	490	\$18,563	\$24,789
Dancers	27-2031.00	ARS	long OJT	*	*	*	*
Designers, all other	27-1029.99	*	Bachelor	1.16	190	\$25,569	\$45,833
Desktop Publishers	43-9031.00	RA	1,2 year	0.48	1,040	\$24,621	\$32,797
Editors	27-3041.00	AES	Bachelor	1.25	2,730	\$28,667	\$49,608
Entertainers and Performers, Sports and Related Workers, all others	27-2099.99	*	long OJT	2.63	330	*	*
Fashion Designers	27-1022.00	AER	Bachelor	-4.09	250	\$26,784	\$57,173
Film and Video Editors	27-4032.00	AE	Bachelor	1.60	440	\$26,706	\$41,837
Fine Artists, Including Painters, Sculptors, and Illustrators	27-1013.00	AR	long OJT	-0.63	690	\$22,575	\$34,770
Floral Designers	27-1023.00	ARE	mod. OJT	0.49	2,680	\$15,657	\$22,602
Graphic Designers	27-1024.00	AER	Bachelor	0.95	6,030	\$25,692	\$39,693
Job Printers	51-5021.00	RC	long OJT	-0.93	1,390	\$23,013	\$33,957
Makeup Artists, Theatrical and Performance	39-5091.00	AR	1,2 year	*	*	*	*
Media and Communication Equipment Workers, all other	27-4099.99	*	mod. OJT	1.66	470	\$25,225	\$50,885
Media and Communication Workers, all other	27-3099.99	*	long OJT	1.58	1,190	\$26,203	\$47,119
Multi-Media Artists and Animators	27-1014.00	*	Bachelor	2.72	2,560	\$32,261	\$52,094

Arts, A/V Technology and Communications (continued)

Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Music Directors and Composers	27-2041.00	A	Bachelor +	1.24	530	\$31,308	\$69,463
Musicians and Singers	27-2042.00	A	long OJT	-3.25	1,200	*	*
Photographers	27-4021.00	AR	long OJT	1.26	3,480	\$18,460	\$39,584
Prepress Technicians and Workers	51-5022.00	R	long OJT	-1.77	1,400	\$22,746	\$33,501
Printing Machine Operators	51-5023.00	R	mod. OJT	-0.51	5,700	\$19,971	\$31,533
Producers and Directors	27-2012.00	AES	Bachelor +	0.15	1,930	\$24,288	\$48,782
Proofreaders and Copy Markers	43-9081.00	C	short OJT	1.03	140	\$19,451	\$27,594
Public Address System and Other Announcers	27-3012.00	SAE	long OJT	0.42	210	*	*
Radio and Television Announcers	27-3011.00	ASE	long OJT	-1.34	1,430	\$14,650	\$29,890
Radio Operators	27-4013.00	RC	mod. OJT	*	*	*	*
Reporters and Correspondents	27-3022.00	AIE	Bachelor +	0.62	1,400	\$22,092	\$34,137
Sound Engineering Technicians	27-4014.00	RAI	1,2 year	*	*	\$27,360	\$38,752
Telecommunications Line Installers and Repairers	49-9052.00	R	long OJT	1.27	5,020	\$27,137	\$39,970
Umpires, Referees, and Other Sports Officials	27-2023.00	CRE	long OJT	*	*	*	*
Writers and Authors	27-3043.00	A	Bachelor	1.34	2,270	\$29,338	\$48,887

Business Management and Administration Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Accountants and Auditors	13-2011.00	CE	Bachelor	1.64	29,710	\$39,061	\$59,467
Administrative Services Managers	11-3011.00	ECS	Bachelor +	1.73	3,700	\$44,524	\$69,431
Advertising and Promotions Managers	11-2011.00	AES	Bachelor +	1.32	910	\$42,986	\$76,191
Advertising Sales Agents	41-3011.00	ECS	mod. OJT	2.20	4,160	\$24,097	\$46,689
Agents and Business Managers of Artists, Performers, and Athletes	13-1011.00	ESAC	Bachelor +	2.14	650	\$29,242	\$47,005
Art Directors	27-1011.00	AE	Bachelor +	1.07	1,040	\$34,277	\$65,478
Bookkeeping, Accounting, and Auditing Clerks	43-3031.00	C	mod. OJT	1.48	57,620	\$22,002	\$30,700
Budget Analysts	13-2031.00	CE	Bachelor	1.34	790	\$41,145	\$59,176
Business Operations Specialists, all other	13-1199.99	*	Bachelor	2.58	28,460	\$34,971	\$57,760
Chief Executives	11-1011.00	ECS	Bachelor +	*	*	\$104,509	\$173,396
Communications Equipment Operators, all other	43-2099.99	*	short OJT	1.08	50	\$27,402	\$38,434
Compensation and Benefits Managers	11-3041.00	ESC	Bachelor +	1.58	1,420	\$57,091	\$91,168
Compensation, Benefits, and Job Analysis Specialists	13-1072.00	ICES	Bachelor	2.23	3,880	\$36,155	\$51,798
Computer Operators	43-9011.00	CR	mod. OJT	-2.72	3,570	\$26,606	\$35,851
Correspondence Clerks	43-4021.00	CE	short OJT	1.85	330	\$20,648	\$28,263
Couriers and Messengers	43-5021.00	RC	short OJT	0.63	2,430	\$17,143	\$23,297
Court Reporters	23-2091.00	ACS	1,2 year	3.15	320	\$30,961	\$43,177
Data Entry Keyers	43-9021.00	CR	mod. OJT	0.02	8,530	\$19,784	\$25,408
Driver/ Sales Workers	53-3031.00	ERS	short OJT	0.29	15,910	\$14,139	\$23,802
Employment, Recruitment, and Placement Specialists	13-1071.00	SE	Bachelor	2.46	6,070	\$28,085	\$47,941
Executive Secretaries and Administrative Assistants	43-6011.00	CE	mod. OJT	1.86	54,610	\$26,599	\$36,012
File Clerks	43-4071.00	C	short OJT	-4.33	3,140	\$16,329	\$22,545
Financial Managers	11-3031.00	EC	Bachelor +	1.39	19,610	\$59,385	\$100,044
First-Line Supervisors/ Managers of Office and Administrative Support Workers	43-1011.00	ECS	work exp.	1.08	40,320	\$29,780	\$43,637
General and Operations Managers	11-1021.00	*	Bachelor +	0.42	55,280	\$55,777	\$108,323
Human Resources Assistants, Except Payroll and Timekeeping	43-4161.00	CES	short OJT	1.32	4,250	\$24,174	\$32,221
Human Resources Managers	11-3040.00	ESC	*	*	*	*	*
Human Resources Managers, all other	11-3049.99	*	Bachelor +	1.45	1,240	\$57,233	\$93,586

Business Management and Administration (continued)

Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Human Resources, Training, and Labor Relations Specialists, all other	13-1079.99	*	Bachelor	1.91	4,010	\$37,662	\$54,517
Information and Record Clerks, all other	43-4199.99	*	short OJT	-0.58	5,580	\$21,177	\$31,345
Legal Secretaries	43-6012.00	CE	1,2 year	2.55	5,160	\$23,409	\$34,596
Library Assistants, Clerical	43-4121.00	CR	short OJT	1.48	3,180	\$15,368	\$21,398
Mail Clerks and Mail Machine Operators, Except Postal Service	43-9051.00	CR	short OJT	-1.11	4,550	\$16,827	\$23,259
Management Analysts	13-1111.00	CEI	Bachelor +	1.42	11,430	\$47,056	\$78,183
Managers, all other	11-9199.99	*	work exp.	1.22	23,270	\$52,824	\$89,383
Marketing Managers	11-2021.00	EC	Bachelor +	1.46	4,050	\$62,995	\$106,588
Medical and Health Services Managers	11-9111.00	ESI	Bachelor +	2.26	7,260	\$55,804	\$82,716
Medical Secretaries	43-6013.00	CE	1,2 year	2.07	8,760	\$21,396	\$26,937
New Accounts Clerks	43-4141.00	CES	work exp.	-0.80	1,910	\$21,757	\$30,113
Office and Administrative Support Workers, all other	43-9199.99	*	short OJT	-0.65	2,830	\$21,246	\$30,776
Office Clerks, General	43-9061.00	C	short OJT	1.48	64,150	\$16,600	\$24,180
Office Machine Operators, Except Computer	43-9071.00	CR	short OJT	0.90	1,810	\$18,560	\$25,171
Operations Research Analysts	15-2031.00	ICRE	Master	0.83	2,170	\$46,438	\$64,516
Payroll and Timekeeping Clerks	43-3051.00	CE	mod. OJT	0.47	5,780	\$23,276	\$31,605
Public Relations Managers	11-2031.00	*	Bachelor +	2.02	1,850	\$50,250	\$84,808
Public Relations Specialists	27-3031.00	EAS	Bachelor	1.92	4,640	\$31,790	\$50,801
Purchasing Managers	11-3061.00	ECS	Bachelor +	0.78	2,300	\$55,955	\$85,317
Receptionists and Information Clerks	43-4171.00	CES	short OJT	2.38	31,500	\$17,313	\$23,353
Sales Managers	11-2022.00	EC	Bachelor +	1.18	13,250	\$46,475	\$95,818
Secretaries, Except Legal, Medical, and Executive	43-6014.00	CES	mod. OJT	0.70	58,560	\$20,142	\$27,508
Stock Clerks and Order Fillers	43-5081.00	CR	short OJT	-0.42	47,410	\$15,960	\$22,278
Switchboard Operators, Including Answering Service	43-2011.00	CRS	short OJT	-0.26	5,320	\$17,830	\$23,133
Telephone Operators	43-2021.00	CRS	short OJT	-4.47	310	\$18,126	\$28,756
Training and Development Managers	11-3042.00	ESC	Bachelor +	1.53	660	\$62,275	\$94,900
Training and Development Specialists	13-1073.00	SEC	Bachelor	1.94	6,540	\$33,111	\$50,767
Word Processors and Typists	43-9022.00	C	mod. OJT	0.28	1,830	\$21,471	\$29,136

Education and Training Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Adult Literacy, Remedial Education, and GED Teachers and Instructors	25-3011.00	SA	Bachelor	2.05	3,580	\$29,283	\$38,884
Agricultural Sciences Teachers, Postsecondary	25-1041.00	IS	Doctorate	2.98	240	*	*
Anthropology and Archeology Teachers, Postsecondary	25-1061.00	SIA	Doctorate	3.05	90	\$42,671	\$76,334
Architecture Teachers, Postsecondary	25-1031.00	*	Doctorate	2.99	140	\$40,792	\$62,374
Archivists	25-4011.00	IC	Bachelor	1.49	110	\$27,073	\$37,913
Area, Ethnic, and Cultural Studies Teachers, Postsecondary	25-1062.00	SIA	Doctorate	3.01	230	\$35,845	\$58,908
Art, Drama, and Music Teachers, Postsecondary	25-1121.00	ASI	Master	3.13	2,230	\$35,219	\$53,683
Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	25-1051.00	*	Doctorate	2.97	290	\$47,276	\$77,107
Audio-Visual Collections Specialists	25-9011.00	CS	mod. OJT	-0.84	90	\$25,649	\$39,101
Biological Science Teachers, Postsecondary	25-1042.00	IS	Doctorate	3.01	1,310	\$43,981	\$71,906
Business Teachers, Postsecondary	25-1011.00	*	Master	2.96	2,380	\$41,141	\$67,173
Chemistry Teachers, Postsecondary	25-1052.00	ISR	Doctorate	3.00	600	\$43,129	\$68,987
Clinical, Counseling, and School Psychologists	19-3031.00	IS	Doctorate	2.39	3,240	\$40,677	\$62,327
Coaches and Scouts	27-2022.00	ERS	long OJT	2.14	5,170	\$18,515	\$34,572
Communications Teachers, Postsecondary	25-1122.00	*	Doctorate	2.99	610	\$36,172	\$52,206
Computer Science Teachers, Postsecondary	25-1021.00	IC	Doctorate	2.94	1,330	\$40,712	\$61,492
Criminal Justice and Law Enforcement Teachers, Postsecondary	25-1111.00	*	Doctorate	2.95	1,240	\$37,431	\$47,947
Curators	25-4012.00	AIECS	Master	1.74	520	\$25,648	\$38,764
Economics Teachers, Postsecondary	25-1063.00	SIA	Doctorate	3.01	320	\$46,586	\$86,261
Education Administrators, all other	11-9039.99	*	Bachelor +	1.50	930	\$38,248	\$62,923
Education Administrators, Elementary and Secondary School	11-9032.00	SEI	Bachelor +	1.62	8,000	\$47,376	\$66,058
Education Administrators, Postsecondary	11-9033.00	ECIS	Bachelor +	2.23	4,550	\$43,683	\$76,521
Education Administrators, Preschool and Child Care Center/ Program	11-9031.00	SEI	Bachelor +	2.57	1,840	\$27,719	\$38,569
Education Teachers, Postsecondary	25-1081.00	*	Doctorate	3.08	1,830	\$38,662	\$55,105
Education, Training, & Library Workers, all other	25-9099.99	*	Bachelor	1.60	2,720	\$24,962	\$40,282
Educational, Vocational, and School Counselors	21-1012.00	SACE	Master	1.88	5,310	\$33,526	\$45,337

Education and Training (continued)

Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Elementary School Teachers, Except Special Education	25-2021.00	SAIC	Bachelor	2.17	36,580	\$29,969	\$39,671
Engineering Teachers, Postsecondary	25-1032.00	IRS	Doctorate	2.98	650	\$52,043	\$84,120
English Language and Literature Teachers, Postsecondary	25-1123.00	ASI	Master	3.02	2,280	\$35,521	\$53,366
Environmental Science Teachers, Postsecondary	25-1053.00	*	Doctorate	2.99	100	\$38,712	\$61,440
Foreign Language and Literature Teachers, Postsecondary	25-1124.00	ASI	Master	3.16	1,000	\$32,814	\$52,232
Forestry and Conservation Science Teachers, Postsecondary	25-1043.00	IS	Doctorate	2.99	70	\$40,651	\$63,207
Geography Teachers, Postsecondary	25-1064.00	*	Doctorate	3.13	110	\$45,630	\$61,743
Graduate Teaching Assistants	25-1191.00	SCIA	Bachelor	3.01	1,970	\$19,752	\$30,032
Health Specialties Teachers, Postsecondary	25-1071.00	IS	Master	2.80	4,740	\$39,269	\$94,357
History Teachers, Postsecondary	25-1125.00	SIA	Doctorate	2.99	780	\$38,763	\$59,956
Home Economics Teachers, Postsecondary	25-1192.00	*	Master	2.94	200	\$40,329	\$54,593
Instructional Coordinators	25-9031.00	SIAE	Master	2.75	3,720	\$36,719	\$52,137
Kindergarten Teachers, Except Special Education	25-2012.00	SAI	Bachelor	2.38	4,580	\$27,777	\$38,080
Law Teachers, Postsecondary	25-1112.00	*	Profess.	2.97	420	\$45,559	\$103,503
Librarians	25-4021.00	ACI	Master	1.17	4,390	\$35,524	\$47,269
Library Science Teachers, Postsecondary	25-1082.00	*	Doctorate	3.00	60	\$45,474	\$63,223
Library Technicians	25-4031.00	CS	short OJT	1.66	2,940	\$21,892	\$29,076
Mathematical Science Teachers, Postsecondary	25-1022.00	ICSR	Master	2.97	1,660	\$39,215	\$58,220
Middle School Teachers, Except Special and Vocational Education	25-2022.00	SAI	Bachelor	1.96	20,310	\$27,876	\$39,057
Nursing Instructors and Teachers, Postsecondary	25-1072.00	SI	Doctorate	2.97	1,370	\$42,683	\$55,490
Philosophy and Religion Teachers, Postsecondary	25-1126.00	*	Doctorate	3.01	710	\$39,146	\$65,149
Physics Teachers, Postsecondary	25-1054.00	ISR	Doctorate	3.00	370	\$46,699	\$76,401
Political Science Teachers, Postsecondary	25-1065.00	SIA	Doctorate	2.98	520	\$40,710	\$72,647
Postsecondary Teachers, all other	25-1199.99	*	Doctorate	2.99	2,420	\$39,583	\$71,501
Preschool Teachers, Except Special Education	25-2011.00	SACI	1,2 year	2.84	18,350	\$15,913	\$21,173
Psychology Teachers, Postsecondary	25-1066.00	SIA	Doctorate	2.99	900	\$40,488	\$60,169
Recreation and Fitness Studies Teachers, Postsecondary	25-1193.00	*	Master	3.02	790	\$35,097	\$50,945

Education and Training (continued)

Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Secondary School Teachers, Except Special and Vocational Education	25-2031.00	SAI	Bachelor	1.44	21,100	\$31,187	\$41,516
Social Sciences Teachers, Postsecondary, all other	25-1069.99	*	Doctorate	2.97	150	*	*
Social Work Teachers, Postsecondary	25-1113.00	*	Doctorate	3.01	330	\$42,232	\$57,830
Sociology Teachers, Postsecondary	25-1067.00	SIA	Doctorate	2.99	570	\$38,081	\$58,902
Special Education Teachers, Middle School	25-2042.00	SAI	Bachelor	2.40	2,950	\$29,782	\$40,439
Special Education Teachers, Preschool, Kindergarten, and Elementary School	25-2041.00	SAI	Bachelor	2.72	7,500	\$30,975	\$40,795
Special Education Teachers, Secondary School	25-2043.00	SAI	Bachelor	1.69	2,630	\$31,378	\$41,309
Teacher Assistants	25-9041.00	SC	short OJT	1.81	37,010	\$16,369	\$19,381
Teachers and Instructors, All Other	25-3099.99	*	Bachelor	1.62	21,120	\$17,622	\$27,586
Vocational Education Teachers, Middle School	25-2023.00	SAI	Bachelor +	0.36	1,350	\$31,186	\$42,943
Vocational Education Teachers, Postsecondary	25-1194.00	SRE	work exp.	2.86	5,700	\$33,226	\$45,394
Vocational Education Teachers, Secondary School	25-2032.00	SAI	Bachelor +	0.40	4,170	\$33,272	\$44,316

Finance Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Actuaries	15-2011.00	CIR	Bachelor +	1.76	280	\$51,995	\$89,711
Bill and Account Collectors	43-3011.00	CE	short OJT	2.24	9,210	\$21,693	\$30,871
Brokerage Clerks	43-4011.00	CE	mod. OJT	1.15	1,430	\$28,320	\$36,735
Claims Adjusters, Examiners, and Investigators	13-1031.00	CEI	long OJT	1.56	6,170	\$33,281	\$52,737
Credit Analysts	13-2041.00	CE	Bachelor	0.64	2,870	\$37,997	\$68,938
Credit Authorizers, Checkers, and Clerks	43-4041.00	CE	short OJT	-0.91	1,540	\$25,098	\$33,044
Financial Analysts	13-2051.00	ICE	Bachelor	2.64	7,430	\$49,420	\$71,103
Financial Specialists, all other	13-2099.99	*	Bachelor	1.36	6,160	\$39,320	\$62,935
Insurance Appraisers, Auto Damage	13-1032.00	CRE	long OJT	1.76	390	\$38,923	\$50,835
Insurance Claims and Policy Processing Clerks	43-9041.00	CE	mod. OJT	0.19	5,690	\$24,217	\$33,268
Insurance Sales Agents	41-3021.00	ESC	Bachelor	1.91	11,550	\$23,170	\$51,195
Insurance Underwriters	13-2053.00	CEI	Bachelor	1.09	2,920	\$34,587	\$54,793
Loan Interviewers and Clerks	43-4131.00	CE	short OJT	-0.04	6,250	\$23,520	\$30,554
Loan Officers	13-2072.00	ESC	Bachelor	1.27	11,630	\$33,561	\$52,371
Personal Financial Advisors	13-2052.00	SEC	Bachelor	3.09	5,730	\$40,976	\$67,075
Securities, Commodities, and Financial Services Sales Agents	41-3031.00	ECS	Bachelor	1.89	5,340	\$43,650	\$88,551
Tax Preparers	13-2082.00	CE	mod. OJT	-1.81	2,600	\$16,027	\$28,641
Tellers	43-3071.00	CE	short OJT	2.30	15,530	\$20,490	\$23,703
Title Examiners, Abstractors, and Searchers	23-2093.00	CE	mod. OJT	1.91	590	\$30,269	\$44,213

Government and Public Administration Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Air Crew Members	55-3011.00	*	*	*	*	*	*
Air Crew Officers	55-1011.00	*	*	*	*	*	*
Aircraft Launch and Recovery Officers	55-1012.00	*	*	*	*	*	*
Aircraft Launch and Recovery Specialists	55-3012.00	*	*	*	*	*	*
Appraisers and Assessors of Real Estate	13-2021.00	CE	1,2 year	1.67	2,340	\$29,659	\$49,978
Armored Assault Vehicle Crew Members	55-3013.00	*	*	*	*	*	*
Armored Assault Vehicle Officers	55-1013.00	*	*	*	*	*	*
Artillery and Missile Crew Members	55-3014.00	*	*	*	*	*	*
Artillery and Missile Officers	55-1014.00	*	*	*	*	*	*
Command and Control Center Officers	55-1015.00	*	*	*	*	*	*
Command and Control Center Specialists	55-3015.00	*	*	*	*	*	*
Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	13-1041.00	C	long OJT	1.13	4,670	\$32,067	\$48,517
Court, Municipal, and License Clerks	43-4031.00	CE	short OJT	1.81	1,680	\$22,627	\$30,308
Economists	19-3011.00	IEC	Master	1.39	340	\$49,367	\$73,213
Eligibility Interviewers, Government Programs	43-4061.00	CSE	mod. OJT	0.56	9,270	\$26,505	\$32,019
Financial Examiners	13-2061.00	ESC	Bachelor	1.28	730	\$53,593	\$86,044
First-Line Supervisors/Managers of Air Crew Members	55-2011.00	*	*	*	*	*	*
First-Line Supervisors/Managers of All Other Tactical Operations Specialists	55-2013.00	*	*	*	*	*	*
First-Line Supervisors/Managers of Weapons Specialists/Crew Members	55-2012.00	*	*	*	*	*	*
Infantry	55-3016.00	*	*	*	*	*	*
Infantry Officers	55-1016.00	*	*	*	*	*	*
Interviewers, Except Eligibility and Loan	43-4111.00	CSE	short OJT	1.32	5,860	\$20,013	\$26,013
Legislators	11-1031.00	*	Bachelor +	*	*	*	*
Meter Readers, Utilities	43-5041.00	CR	short OJT	-0.74	1,670	\$20,498	\$27,264
Postal Service Clerks	43-5051.00	CR	short OJT	0.86	2,180	\$36,464	\$42,229
Postal Service Mail Carriers	43-5052.00	CR	short OJT	0.46	10,040	\$34,720	\$43,700
Postal Service Mail Sorters, Processors, and Processing Machine Operators	43-5053.00	*	short OJT	0.46	4,530	\$29,432	\$39,884
Postmasters and Mail Superintendents	11-9131.00	ECS	work exp.	0.46	700	\$46,944	\$60,075
Radar and Sonar Technicians	55-3017.00	*	*	*	*	*	*
Special Forces	55-3018.00	*	*	*	*	*	*
Special Forces Officers	55-1017.00	*	*	*	*	*	*
Statistical Assistants	43-9111.00	C	mod. OJT	2.05	250	\$22,410	\$32,515
Tax Examiners, Collectors, and Revenue Agents	13-2081.00	CE	Bachelor	1.16	1,720	\$29,050	\$45,127
Transportation Inspectors	53-6051.00	RC	work exp.	2.61	390	\$35,323	\$54,430
Urban and Regional Planners	19-3051.00	IE	Master	1.65	1,360	\$38,880	\$52,346

Health Science Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Anesthesiologists	29-1061.00	IRS	Profess.	2.43	1,280	* \$178,674	
Athletic Trainers	29-9091.00	SREI	Bachelor	2.94	280	\$28,726	\$38,169
Audiologists	29-1121.00	SIR	Master	1.80	330	\$45,963	\$58,755
Biomedical Engineers	17-2031.00	*	Bachelor	3.28	570	\$50,489	\$74,841
Cardiovascular Technologists and Technicians	29-2031.00	IRS	Associate	2.61	1,220	\$37,468	\$50,315
Chiropractors	29-1011.00	IRSAE	Profess.	2.81	1,020	\$61,390	\$110,391
Dental Assistants	31-9091.00	SRE	mod. OJT	3.13	7,110	\$26,114	\$33,679
Dental Hygienists	29-2021.00	SCRE	Associate	3.21	4,800	\$47,962	\$60,290
Dental Laboratory Technicians	51-9081.00	RI	long OJT	1.01	1,370	\$24,663	\$34,143
Dentists, All Other Specialists	29-1029.99	*	Profess.	*	*	\$82,395	\$152,030
Dentists, General	29-1021.00	IRS	Profess.	1.48	3,220	* \$178,182	
Diagnostic Medical Sonographers	29-2032.00	*	Associate	2.62	1,480	\$48,149	\$58,671
Dietetic Technicians	29-2051.00	SRI	mod. OJT	1.55	450	\$18,154	\$25,981
Dietitians and Nutritionists	29-1031.00	IESR	Bachelor	1.32	1,600	\$34,999	\$46,232
Epidemiologists	19-1041.00	IRS	Master	2.11	130	\$51,876	\$70,263
Family and General Practitioners	29-1062.00	IESR	Profess.	2.08	5,800	\$117,333	\$171,340
Health Diagnosing and Treating Practitioners, all other	29-1199.99	*	Bachelor	1.67	1,460	\$49,236	\$70,176
Health Educators	21-1091.00	SEIA	Master	2.44	1,570	\$32,831	\$46,434
Health Technologists and Technicians, all other	29-2099.99	*	1,2 year	2.90	1,790	\$28,583	\$44,641
Healthcare Practitioners & Technical Workers, all other	29-9099.99	*	1,2 year	2.59	2,680	\$28,759	\$41,736
Healthcare Support Workers, all other	31-9099.99	*	short OJT	2.54	10,160	\$19,445	\$25,758
Home Health Aides	31-1011.00	SR	short OJT	3.32	72,130	\$16,382	\$19,656
Internists, General	29-1063.00	IESR	Profess.	2.10	1,330	* \$190,952	
Licensed Practical and Licensed Vocational Nurses	29-2061.00	SRI	1,2 year	1.92	16,190	\$31,182	\$37,904
Medical and Clinical Laboratory Technicians	29-2012.00	RIC	Associate	1.99	4,690	\$26,288	\$35,248
Medical and Clinical Laboratory Technologists	29-2011.00	IR	Bachelor	1.50	5,050	\$35,272	\$47,499
Medical Assistants	31-9092.00	SCR	mod. OJT	4.08	9,420	\$20,951	\$26,769
Medical Equipment Preparers	31-9093.00	RC	short OJT	2.03	1,550	\$21,312	\$26,789
Medical Records and Health Information Technicians	29-2071.00	CR	Associate	2.62	5,130	\$20,642	\$28,501
Medical Scientists, Except Epidemiologists	19-1042.00	IRS	Doctorate	3.67	2,660	\$47,391	\$80,910
Medical Transcriptionists	31-9094.00	*	1,2 year	1.96	2,970	\$25,702	\$32,096
Mental Health and Substance Abuse Social Workers	21-1023.00	SIA	Master	4.34	3,460	\$31,035	\$40,215
Nuclear Medicine Technologists	29-2033.00	IR	Associate	1.86	620	\$50,642	\$59,667

Health Science (continued) Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Nursing Aides, Orderlies, and Attendants	31-1012.00	SRE	short OJT	2.67	21,780	\$18,342	\$22,859
Obstetricians and Gynecologists	29-1064.00	IESR	Profess.	2.79	750	*	*
Occupational Therapist Aides	31-2012.00	SR	short OJT	1.77	180	\$19,687	\$31,795
Occupational Therapist Assistants	31-2011.00	SR	Associate	2.81	790	\$27,443	\$42,932
Occupational Therapists	29-1122.00	SRIA	Bachelor	2.83	2,450	\$46,174	\$63,456
Ophthalmic Laboratory Technicians	51-9083.00	R	mod. OJT	0.99	240	\$21,019	\$28,307
Opticians, Dispensing	29-2081.00	ECRS	long OJT	2.24	1,530	\$24,351	\$34,814
Optometrists	29-1041.00	IRSE	Profess.	2.93	860	\$71,246	\$125,098
Oral and Maxillofacial Surgeons	29-1022.00	IRSAE	Profess.	1.47	300	* \$182,808	
Orthodontists	29-1023.00	IRS	Profess.	1.42	280	* \$192,456	
Orthotists and Prosthetists	29-2091.00	SIR	Bachelor	1.98	150	\$27,078	\$44,215
Pediatricians, General	29-1065.00	IESR	Profess.	1.92	990	\$112,380	\$159,392
Pharmacists	29-1051.00	ICRE	Profess.	2.74	7,440	\$81,379	\$102,477
Pharmacy Aides	31-9095.00	*	short OJT	-0.55	1,070	\$16,049	\$19,316
Pharmacy Technicians	29-2052.00	CRI	mod. OJT	3.57	9,700	\$18,083	\$24,697
Physical Therapist Aides	31-2022.00	SR	short OJT	3.15	780	\$18,829	\$23,541
Physical Therapist Assistants	31-2021.00	SR	Associate	3.97	2,020	\$35,634	\$45,669
Physical Therapists	29-1123.00	SRI	Master	3.29	4,160	\$55,318	\$71,388
Physician Assistants	29-1071.00	ISAR	Bachelor	3.50	2,990	\$65,785	\$78,759
Physicians and Surgeons, all other	29-1069.99	*	Profess.	2.43	7,530	\$56,762	\$153,764
Podiatrists	29-1081.00	SIER	Profess.	2.50	160	\$84,593	\$138,394
Prosthodontists	29-1024.00	IRS	*	*	*	*	*
Psychiatric Aides	31-1013.00	S	short OJT	3.37	490	\$19,459	\$24,455
Psychiatric Technicians	29-2053.00	SR	mod. OJT	2.87	910	\$19,719	\$26,226
Psychiatrists	29-1066.00	IAS	Profess.	2.86	420	\$115,173	\$167,314
Radiation Therapists	29-1124.00	SRIC	Associate	2.88	350	\$52,720	\$66,608
Radiologic Technologists and Technicians	29-2034.00	RI	Associate	2.09	6,730	\$38,492	\$49,044
Recreational Therapists	29-1125.00	SAR	Bachelor	0.66	420	\$29,032	\$37,958
Registered Nurses	29-1111.00	SIR	Associate	2.79	79,330	\$43,269	\$55,920
Respiratory Therapists	29-1126.00	IRSA	Associate	2.59	3,140	\$39,582	\$47,825
Respiratory Therapy Technicians	29-2054.00	*	1,2 year	0.77	470	\$29,025	\$39,012
Speech-Language Pathologists	29-1127.00	SIR	Master	1.83	3,480	\$43,602	\$61,431
Surgeons	29-1067.00	IRSA	Profess.	2.09	1,410	*	*
Surgical Technologists	29-2055.00	RSC	1,2 year	2.93	2,860	\$28,452	\$35,731
Therapists, all other	29-1129.99	*	Bachelor	1.86	560	\$35,738	\$49,466

Hospitality and Tourism Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Amusement and Recreation Attendants	39-3091.00	RCE	short OJT	2.27	10,300	\$14,152	\$16,871
Animal Trainers	39-2011.00	SRE	mod. OJT	0.22	450	\$16,413	\$25,085
Baggage Porters and Bellhops	39-6011.00	ERS	short OJT	0.41	1,600	\$16,695	\$27,210
Bakers	51-3011.00	R	long OJT	1.19	2,990	\$16,379	\$21,552
Bartenders	35-3011.00	ESR	short OJT	2.53	8,820	\$14,181	\$18,314
Building Cleaning Workers, all other	37-2019.99	*	short OJT	2.38	260	\$17,292	\$26,840
Chefs and Head Cooks	35-1011.00	ER	work exp.	1.64	2,840	\$22,152	\$36,620
Combined Food Preparation and Serving Workers, Including Fast Food	35-3021.00	R	short OJT	2.36	98,620	\$14,143	\$15,758
Concierges	39-6012.00	*	mod. OJT	0.89	160	\$16,282	\$20,004
Cooks, all other	35-2019.99	*	mod. OJT	*	*	\$15,039	\$18,403
Cooks, Fast Food	35-2011.00	R	short OJT	1.55	5,610	\$14,109	\$16,532
Cooks, Institution and Cafeteria	35-2012.00	RCS	mod. OJT	1.84	8,180	\$15,818	\$20,523
Cooks, Private Household	35-2013.00	*	long OJT	*	*	*	*
Cooks, Restaurant	35-2014.00	REA	long OJT	2.18	26,260	\$15,316	\$20,312
Cooks, Short Order	35-2015.00	RE	short OJT	1.39	6,550	\$14,166	\$17,603
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	35-3022.00	RSE	short OJT	1.60	10,020	\$14,142	\$16,390
Dining Room and Cafeteria Attendants and Bartender Helpers	35-9011.00	RES	short OJT	2.01	7,780	\$14,155	\$16,054
Dishwashers	35-9021.00	R	short OJT	1.89	12,350	\$14,172	\$16,394
Entertainment Attendants and Related Workers, all other	39-3099.99	*	mod. OJT	2.76	1,110	\$16,245	\$19,365
First-Line Supervisors/ Managers of Food Preparation and Serving Workers	35-1012.00	ER	work exp.	1.88	28,720	\$19,494	\$28,455
First-Line Supervisors/ Managers of Housekeeping and Janitorial Workers	37-1011.00	ERC	work exp.	1.66	8,910	\$20,707	\$32,608
Food Preparation and Serving Related Workers, all other	35-9099.99	*	short OJT	1.52	280	\$14,511	\$18,802
Food Preparation Workers	35-2021.00	R	short OJT	2.20	30,860	\$14,216	\$17,284
Food Servers, Nonrestaurant	35-3041.00	SRE	short OJT	1.51	3,300	\$14,909	\$19,003
Food Service Managers	11-9051.00	ECS	work exp.	1.25	10,930	\$33,488	\$50,740
Gaming and Sports Book Writers and Runners	39-3012.00	EC	1,2 year	0.00	180	\$14,274	\$14,594
Gaming Cage Workers	43-3041.00	*	short OJT	*	*	*	*

Hospitality and Tourism (continued)

Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Gaming Change Persons and Booth Cashiers	41-2012.00	*	short OJT	*	*	*	*
Gaming Dealers	39-3011.00	EC	1,2 year	*	*	\$14,126	\$15,557
Gaming Managers	11-9071.00	EC	work exp.	*	*	*	*
Gaming Service Workers, all other	39-3019.99	*	mod. OJT	*	*	*	*
Gaming Supervisors	39-1011.00	EC	work exp.	*	*	*	*
Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	35-9031.00	ESR	short OJT	2.16	13,300	\$14,213	\$16,242
Hotel, Motel, and Resort Desk Clerks	43-4081.00	CES	short OJT	1.76	7,990	\$16,037	\$19,514
Interpreters and Translators	27-3091.00	ASIC	long OJT	3.02	1,160	\$21,821	\$31,420
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	37-2011.00	R	short OJT	1.83	51,770	\$15,272	\$19,916
Lodging Managers	11-9081.00	ECS	work exp.	1.24	3,780	\$29,148	\$44,168
Maids and Housekeeping Cleaners	37-2012.00	R	short OJT	1.62	34,000	\$14,316	\$17,610
Meeting and Convention Planners	13-1121.00	ECS	Bachelor	1.93	1,040	\$28,326	\$41,116
Motion Picture Projectionists	39-3021.00	R	short OJT	-0.12	320	\$14,488	\$17,343
Museum Technicians and Conservators	25-4013.00	ARI	Master	0.96	240	\$26,742	\$36,210
Recreation Workers	39-9032.00	SAR	Bachelor	1.52	6,200	\$15,579	\$23,837
Reservation and Transportation Ticket Agents and Travel Clerks	43-4181.00	CES	short OJT	0.13	4,290	\$23,809	\$33,092
Self-Enrichment Education Teachers	25-3021.00	SA	work exp.	2.95	4,150	\$21,988	\$35,910
Set and Exhibit Designers	27-1027.00	AR	Bachelor	-0.22	230	\$25,137	\$49,453
Slot Key Persons	39-1012.00	*	1,2 year	*	*	*	*
Tour Guides and Escorts	39-6021.00	SE	mod. OJT	1.68	630	\$15,715	\$19,774
Transportation Attendants, Except Flight Attendants and Baggage Porters	39-6032.00	ES	short OJT	1.20	160	\$18,379	\$25,376
Travel Agents	41-3041.00	ESCA	1,2 year	-0.83	1,550	\$23,835	\$34,077
Travel Guides	39-6022.00	ESA	mod. OJT	*	*	\$25,916	\$47,832
Ushers, Lobby Attendants, and Ticket Takers	39-3031.00	SCE	short OJT	1.54	1,780	\$14,124	\$15,080
Waiters and Waitresses	35-3031.00	SECR	short OJT	2.11	68,470	\$14,167	\$16,666

Human Services Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Barbers	39-5011.00	RSE	1,2 year	*	*	*	*
Child Care Workers	39-9011.00	S	short OJT	2.00	19,610	\$14,420	\$19,025
Child, Family, and School Social Workers	21-1021.00	SAE	Bachelor	2.25	9,040	\$31,200	\$40,919
Clergy	21-2011.00	SAE	Profess.	2.40	19,290	\$32,897	\$48,072
Community and Social Service Specialists, other	21-1099.99	*	Bachelor	2.49	1,770	\$26,737	\$37,939
Counselors, all other	21-1019.99	*	Master	1.02	100	\$23,046	\$36,324
Directors, Religious Activities and Education	21-2021.00	SEA	Bachelor	2.49	4,260	\$33,311	\$60,590
Embalmers	39-4011.00	RC	1,2 year	0.83	90	\$28,149	\$42,213
First-Line Supervisors/ Managers of Personal Service Workers	39-1021.00	ECRS	work exp.	1.73	5,510	\$19,489	\$32,980
Fitness Trainers and Aerobics Instructors	39-9031.00	SRE	1,2 year	2.54	5,220	\$17,399	\$29,082
Funeral Attendants	39-4021.00	SER	short OJT	0.80	1,470	\$15,641	\$21,351
Funeral Directors	11-9061.00	ESC	Associate	0.68	1,480	\$27,793	\$56,183
Hairdressers, Hairstylists, and Cosmetologists	39-5012.00	EAS	1,2 year	2.84	12,830	\$14,575	\$27,305
Industrial-Organizational Psychologists	19-3032.00	IEAS	Master	*	*	*	*
Laundry and Dry-Cleaning Workers	51-6011.00	R	mod. OJT	0.87	5,860	\$14,380	\$17,910
Loan Counselors	13-2071.00	ESC	Bachelor	0.79	810	\$27,023	\$33,016
Locker Room, Coatroom, and Dressing Room Attendants	39-3093.00	SE	short OJT	2.50	130	\$17,201	\$22,310
Manicurists and Pedicurists	39-5092.00	ESR	1,2 year	3.78	730	\$16,589	\$25,430
Marriage and Family Therapists	21-1013.00	*	Master	3.51	200	\$39,807	\$53,285
Massage Therapists	31-9011.00	*	1,2 year	2.90	2,340	\$19,931	\$39,442
Medical and Public Health Social Workers	21-1022.00	SIA	Bachelor	3.34	3,330	\$32,600	\$41,787
Mental Health Counselors	21-1014.00	SIA	Master	4.35	2,050	\$27,496	\$39,393
Personal and Home Care Aides	39-9021.00	SR	short OJT	5.80	18,350	\$15,756	\$18,394
Personal Care and Service Workers, all other	39-9099.99	*	short OJT	-0.89	1,580	\$14,321	\$17,078
Pressers, Textile, Garment, and Related Materials	51-6021.00	R	short OJT	0.21	3,190	\$15,339	\$19,309
Property, Real Estate, and Community Association Managers	11-9141.00	EC	Bachelor	0.61	4,850	\$40,732	\$76,114
Psychologists, all other	19-3039.99	*	Master	1.10	220	\$48,246	\$73,213
Rehabilitation Counselors	21-1015.00	*	Master	3.11	3,940	\$21,667	\$31,831
Religious Workers, all other	21-2099.99	*	Bachelor	2.49	9,030	\$18,810	\$28,184
Residential Advisors	39-9041.00	SC	mod. OJT	2.94	1,170	\$14,123	\$21,130
Shampooers	39-5093.00	*	short OJT	*	*	\$15,750	\$19,396
Skin Care Specialists	39-5094.00	*	1,2 year	3.91	790	\$16,681	\$33,320
Social and Community Service Managers	11-9151.00	SEA	Bachelor	3.33	2,670	\$34,532	\$52,353
Social and Human Service Assistants	21-1093.00	SC	mod. OJT	5.22	12,550	\$19,890	\$26,263
Social Scientists and Related Workers, all other	19-3099.99	*	Master	1.73	1,790	\$31,589	\$48,593
Social Workers, all other	21-1029.99	*	Bachelor	2.77	550	\$29,800	\$46,362
Sociologists	19-3041.00	IAS	Master	1.92	120	\$28,317	\$49,587
Substance Abuse and Behavioral Disorder Counselors	21-1011.00	SIA	Master	3.99	1,160	\$25,774	\$36,323
Tailors, Dressmakers, and Custom Sewers	51-6052.00	R	long OJT	0.38	1,360	\$16,724	\$22,810

Information Technology Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Computer and Information Systems Managers	11-3021.00	ECIR	Bachelor +	1.52	9,290	\$74,308	\$110,353
Computer Programmers	15-1021.00	IRC	Bachelor	-0.51	11,680	\$46,104	\$73,864
Computer Software Engineers, Applications	15-1031.00	IRC	Bachelor	3.90	11,370	\$58,056	\$85,019
Computer Software Engineers, Systems Software	15-1032.00	IRC	Bachelor	2.53	9,630	\$62,671	\$90,435
Computer Specialists, all other	15-1099.99	*	Associate	1.45	3,010	\$43,973	\$69,589
Computer Support Specialists	15-1041.00	CIR	Associate	1.58	15,850	\$29,442	\$44,370
Computer Systems Analysts	15-1051.00	ICR	Bachelor	2.61	14,900	\$49,510	\$74,714
Database Administrators	15-1061.00	ICR	Bachelor	2.37	2,830	\$46,636	\$68,903
Network and Computer Systems Administrators	15-1071.00	IRC	Bachelor	2.49	7,500	\$42,798	\$64,733
Network Systems and Data Communications Analysts	15-1081.00	IR	Bachelor	4.17	7,140	\$43,149	\$67,101

Law, Public Safety, Corrections and Security Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Administrative Law Judges, Adjudicators, and Hearing Officers	23-1021.00	ESCI	Bachelor +	*	*	*	*
Animal Control Workers	33-9011.00	SR	mod. OJT	1.78	590	\$20,108	\$27,660
Arbitrators, Mediators, and Conciliators	23-1022.00	ESCI	Bachelor +	1.00	110	\$29,119	\$43,170
Bailiffs	33-3011.00	SEC	mod. OJT	1.81	290	\$24,577	\$30,960
Correctional Officers and Jailers	33-3012.00	RS	mod. OJT	1.85	18,100	\$27,929	\$30,886
Crossing Guards	33-9091.00	SRC	short OJT	0.93	540	\$16,505	\$22,715
Detectives and Criminal Investigators	33-3021.00	ES	work exp.	2.50	2,790	\$33,270	\$47,374
Emergency Management Specialists	13-1061.00	*	work exp.	1.18	490	\$33,839	\$46,238
Emergency Medical Technicians and Paramedics	29-2041.00	SRI	1,2 year	1.95	8,040	\$21,436	\$29,419
Fire Fighters	33-2011.00	RS	long OJT	1.75	8,050	\$22,428	\$32,883
Fire Inspectors and Investigators	33-2021.00	CR	work exp.	*	*	\$33,371	\$44,443
First-Line Supervisors/ Managers of Correctional Officers	33-1011.00	*	work exp.	1.68	900	\$33,073	\$43,575
First-Line Supervisors/ Managers of Fire Fighting and Prevention Workers	33-1021.00	RES	work exp.	1.78	2,040	\$39,316	\$54,697
First-Line Supervisors/ Managers of Police and Detectives	33-1012.00	ESR	work exp.	1.76	3,690	\$40,702	\$56,158
First-Line Supervisors/ Managers, Protective Service Workers, all others	33-1099.99	*	work exp.	1.67	1,880	\$29,809	\$44,539
Forensic Science Technicians	19-4092.00	ICR	Associate	2.92	550	\$27,772	\$37,691
Forest Fire Inspectors and Prevention Specialists	33-2022.00	RCEI	work exp.	*	*	*	*
Gaming Surveillance Officers and Gaming Investigators	33-9031.00	*	mod. OJT	*	*	*	*
Judges, Magistrate Judges, and Magistrates	23-1023.00	ES	Bachelor +	*	*	*	*
Law Clerks	23-2092.00	ECSI	Bachelor	1.17	320	\$21,779	\$40,980
Lawyers	23-1011.00	ECIS	Profess.	2.19	13,280	\$50,699	\$103,611
Legal Support Workers, all other	23-2099.99	*	Bachelor	1.56	890	\$22,468	\$38,996
Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	33-9092.00	RS	short OJT	2.27	3,280	\$14,399	\$17,426
Paralegals and Legal Assistants	23-2011.00	ECS	Associate	3.28	7,840	\$27,121	\$38,201
Parking Enforcement Workers	33-3041.00	CR	short OJT	1.75	80	\$19,024	\$25,532
Police and Sheriff's Patrol Officers	33-3051.00	RSEC	long OJT	1.59	18,120	\$29,287	\$39,506
Police, Fire, and Ambulance Dispatchers	43-5031.00	SC	mod. OJT	1.88	3,170	\$22,572	\$28,683
Private Detectives and Investigators	33-9021.00	ESR	work exp.	2.21	1,640	\$25,061	\$41,788
Probation Officers and Correctional Treatment Specialists	21-1092.00	SC	Bachelor	1.06	3,150	\$32,318	\$36,169
Protective Service Workers, all other	33-9099.99	*	short OJT	1.95	1,990	\$19,273	\$31,821
Security Guards	33-9032.00	SEC	short OJT	1.95	24,350	\$16,132	\$23,153
Transit and Railroad Police	33-3052.00	ESR	long OJT	*	*	*	*

Manufacturing Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	51-2011.00	R	long OJT	*	*	\$33,986	\$39,878
Assemblers and Fabricators, all other	51-2099.99	R	mod. OJT	1.06	5,020	\$16,692	\$30,817
Boilermakers	47-2011.00	R	long OJT	2.25	250	\$26,907	\$40,878
Cabinetmakers and Bench Carpenters	51-7011.00	R	long OJT	-3.41	6,380	\$19,093	\$27,174
Camera and Photographic Equipment Repairers	49-9061.00	R	mod. OJT	-0.63	80	\$29,111	\$40,040
Cementing and Gluing Machine Operators and Tenders	51-9191.00	R	mod. OJT	-0.93	1,290	\$19,182	\$26,413
Chemical Equipment Operators and Tenders	51-9011.00	R	mod. OJT	-0.10	2,750	\$33,540	\$42,513
Chemical Plant and System Operators	51-8091.00	RC	long OJT	-2.09	1,930	\$33,576	\$41,886
Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	51-9192.00	R	mod. OJT	-0.97	370	\$17,001	\$20,743
Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	51-9121.00	R	mod. OJT	-1.45	5,700	\$21,073	\$28,232
Coil Winders, Tapers, and Finishers	51-2021.00	R	short OJT	-3.24	960	\$21,778	\$29,083
Coin, Vending, and Amusement Machine Servicers and Repairers	49-9091.00	R	mod. OJT	0.45	1,230	\$20,844	\$30,345
Computer, Automated Teller, and Office Machine Repairers	49-2011.00	RC	1,2 year	0.52	6,100	\$26,086	\$38,232
Computer-Controlled Machine Tool Operators, Metal and Plastic	51-4011.00	R	mod. OJT	1.34	4,480	\$25,432	\$32,468
Cooling and Freezing Equipment Operators and Tenders	51-9193.00	R	mod. OJT	*	*	\$19,788	\$26,438
Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	51-9021.00	R	mod. OJT	-1.24	1,080	\$20,235	\$27,067
Cutters and Trimmers, Hand	51-9031.00	R	short OJT	-3.63	2,290	\$20,110	\$29,413
Cutting and Slicing Machine Setters, Operators, and Tenders	51-9032.00	R	mod. OJT	-1.78	4,750	\$22,174	\$39,225
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	51-4031.00	R	mod. OJT	0.47	7,830	\$17,709	\$26,235
Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4032.00	R	mod. OJT	-1.69	820	\$25,474	\$32,826
Electric Motor, Power Tool, and Related Repairers	49-2092.00	R	1,2 year	0.04	930	\$22,572	\$32,834
Electrical and Electronic Equipment Assemblers	51-2022.00	R	short OJT	-2.40	6,220	\$20,637	\$29,896
Electrical and Electronics Repairers, Commercial and Industrial Equipment	49-2094.00	R	1,2 year	0.70	3,030	\$32,689	\$45,995
Electromechanical Equipment Assemblers	51-2023.00	R	short OJT	0.43	2,650	\$19,532	\$26,485
Electronic Home Entertainment Equipment Installers and Repairers	49-2097.00	R	1,2 year	1.34	1,370	\$21,389	\$28,905
Engine and Other Machine Assemblers	51-2031.00	R	short OJT	0.33	1,000	\$23,213	\$36,495
Etchers and Engravers	51-9194.00	R	long OJT	-1.61	710	\$19,719	\$27,345
Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	51-4021.00	R	mod. OJT	-0.25	3,900	\$21,424	\$29,168

Manufacturing (continued)

Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	51-6091.00	R	mod. OJT	-2.98	1,140	\$21,696	\$30,271
Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	51-9041.00	R	mod. OJT	-1.44	4,690	\$20,923	\$30,211
Fabric and Apparel Patternmakers	51-6092.00	RC	long OJT	-5.91	770	\$21,530	\$32,179
Fabric Menders, Except Garment	49-9093.00	R	mod. OJT	-3.39	120	\$16,092	\$18,451
Fiberglass Laminators and Fabricators	51-2091.00	R	mod. OJT	1.70	1,400	\$19,611	\$25,863
First-Line Supervisors/ Managers of Mechanics, Installers, and Repairers	49-1011.00	ERC	work exp.	1.16	18,150	\$37,309	\$54,461
First-Line Supervisors/ Managers of Production and Operating Workers	51-1011.00	ERC	work exp.	-0.74	27,900	\$31,573	\$47,902
Forging Machine Setters, Operators, and Tenders, Metal and Plastic	51-4022.00	R	mod. OJT	-2.12	1,150	\$22,834	\$31,449
Foundry Mold and Coremakers	51-4071.00	R	mod. OJT	0.25	120	\$21,964	\$33,898
Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	51-9051.00	R	mod. OJT	-1.39	1,470	\$21,511	\$31,482
Furniture Finishers	51-7021.00	R	long OJT	-4.55	3,560	\$19,983	\$25,497
Grinding and Polishing Workers, Hand	51-9022.00	R	mod. OJT	-0.66	1,570	\$18,773	\$25,417
Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4033.00	R	mod. OJT	-0.71	2,290	\$22,342	\$30,207
Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	51-4191.00	R	mod. OJT	0.44	650	\$22,727	\$31,979
Helpers--Production Workers	51-9198.00	R	short OJT	-0.10	21,800	\$16,785	\$22,405
Home Appliance Repairers	49-9031.00	R	long OJT	0.24	1,750	\$23,678	\$30,587
Industrial Engineering Technicians	17-3026.00	IC	Associate	1.47	2,050	\$33,587	\$50,644
Industrial Machinery Mechanics	49-9041.00	R	long OJT	0.41	8,870	\$26,566	\$37,326
Industrial Production Managers	11-3051.00	EC	Bachelor	-0.69	6,080	\$50,846	\$78,516
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061.00	RC	mod. OJT	-1.21	20,980	\$19,347	\$29,007
Jewelers and Precious Stone and Metal Workers	51-9071.00	R	1,2 year	-0.13	670	\$21,260	\$35,158
Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4034.00	R	mod. OJT	-1.63	2,390	\$25,800	\$32,847
Lay-Out Workers, Metal and Plastic	51-4192.00	RC	mod. OJT	*	*	\$27,212	\$32,149
Locksmiths and Safe Repairers	49-9094.00	R	mod. OJT	2.25	710	\$18,832	\$29,397
Machine Feeders and Offbearers	53-7063.00	R	short OJT	-1.74	7,060	\$17,402	\$24,412
Machinists	51-4041.00	RI	long OJT	1.33	12,240	\$22,598	\$33,812
Maintenance and Repair Workers, General	49-9042.00	R	mod. OJT	0.92	45,180	\$23,115	\$33,897
Maintenance Workers, Machinery	49-9043.00	R	short OJT	-1.30	3,300	\$23,780	\$36,775
Material Moving Workers, all other	53-7199.99	R	mod. OJT	1.90	340	\$16,880	\$21,220
Mechanical Engineering Technicians	17-3027.00	RI	Associate	1.17	1,020	\$33,779	\$51,529
Medical Appliance Technicians	51-9082.00	RI	long OJT	1.57	380	\$27,006	\$37,612

Manufacturing (continued) Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Medical Equipment Repairers	49-9062.00	R	Associate	2.50	550	\$31,066	\$45,392
Metal Workers and Plastic Workers, all other	51-4199.99	R	mod. OJT	-1.04	240	\$24,550	\$39,908
Metal-Refining Furnace Operators and Tenders	51-4051.00	R	mod. OJT	0.72	280	\$24,159	\$38,205
Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	51-4035.00	R	mod. OJT	-1.28	1,080	\$22,252	\$30,094
Millwrights	49-9044.00	R	long OJT	1.91	1,560	\$27,887	\$38,447
Mixing and Blending Machine Setters, Operators, and Tenders	51-9023.00	R	mod. OJT	-0.72	5,410	\$21,128	\$30,317
Model Makers, Metal and Plastic	51-4061.00	R	mod. OJT	0.04	240	\$30,006	\$35,749
Model Makers, Wood	51-7031.00	R	long OJT	-7.27	250	\$22,261	\$30,086
Molders, Shapers, and Casters, Except Metal and Plastic	51-9195.00	RA	mod. OJT	-0.63	1,350	\$17,670	\$26,790
Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	51-4072.00	R	mod. OJT	-0.78	6,000	\$19,624	\$28,105
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4081.00	R	mod. OJT	2.36	3,240	\$23,828	\$36,023
Musical Instrument Repairers and Tuners	49-9063.00	RA	long OJT	*	*	\$28,829	\$37,450
Nuclear Power Reactor Operators	51-8011.00	RC	long OJT	-0.44	210	\$56,029	\$61,154
Numerical Tool and Process Control Programmers	51-4012.00	RCI	long OJT	-0.28	290	\$32,238	\$42,625
Occupational Health and Safety Specialists	29-9011.00	SEI	Bachelor	1.18	1,120	\$39,870	\$56,600
Occupational Health and Safety Technicians	29-9012.00	*	1,2 year	0.40	220	\$32,006	\$46,479
Outdoor Power Equipment and Other Small Engine Mechanics	49-3053.00	R	mod. OJT	1.50	1,440	\$21,627	\$27,466
Packaging and Filling Machine Operators and Tenders	51-9111.00	R	short OJT	0.10	18,520	\$16,607	\$27,110
Painters, Transportation Equipment	51-9122.00	R	mod. OJT	1.09	1,450	\$25,919	\$39,460
Painting, Coating, and Decorating Workers	51-9123.00	R	short OJT	0.53	1,310	\$16,898	\$22,817
Paper Goods Machine Setters, Operators, and Tenders	51-9196.00	R	mod. OJT	0.28	3,600	\$19,343	\$28,582
Patternmakers, Metal and Plastic	51-4062.00	R	mod. OJT	*	*	\$21,069	\$31,256
Patternmakers, Wood	51-7032.00	R	long OJT	-7.98	260	\$19,656	\$27,680
Photographic Process Workers	51-9131.00	R	mod. OJT	-4.61	1,000	\$14,708	\$23,556
Photographic Processing Machine Operators	51-9132.00	R	short OJT	-6.36	1,620	\$15,733	\$19,870
Plant and System Operators, all other	51-8099.99	R	long OJT	-2.02	700	\$41,106	\$46,355
Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	51-4193.00	R	mod. OJT	-0.66	1,620	\$21,841	\$29,187
Pourers and Casters, Metal	51-4052.00	R	mod. OJT	1.73	360	\$23,073	\$31,193
Power Distributors and Dispatchers	51-8012.00	RC	long OJT	-1.22	100	\$35,870	\$52,930
Power Plant Operators	51-8013.00	R	long OJT	-0.98	680	\$38,677	\$53,750
Precision Instrument and Equipment Repairers, all other	49-9069.99	R	long OJT	1.82	490	\$31,795	\$49,659
Production Workers, all other	51-9199.99	*	mod. OJT	0.85	2,850	\$17,977	\$27,308

Manufacturing (continued)

Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Production, Planning, and Expediting Clerks	43-5061.00	CE	short OJT	-0.18	7,240	\$25,111	\$37,013
Purchasing Agents, Except Wholesale, Retail, and Farm Products	13-1023.00	EC	work exp.	0.38	7,920	\$34,205	\$51,487
Radio Mechanics	49-2021.00	R	1,2 year	*	*	\$28,487	\$35,453
Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	51-4023.00	R	mod. OJT	0.60	900	\$21,436	\$28,829
Security and Fire Alarm Systems Installers	49-2098.00	R	1,2 year	2.41	1,800	\$26,748	\$36,191
Semiconductor Processors	51-9141.00	R	Associate	*	*	*	*
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	51-9012.00	R	mod. OJT	1.43	1,920	\$32,765	\$43,236
Sewers, Hand	51-6051.00	R	short OJT	-1.77	970	\$15,904	\$21,290
Sewing Machine Operators	51-6031.00	R	mod. OJT	-5.00	14,220	\$15,744	\$22,840
Shoe and Leather Workers and Repairers	51-6041.00	R	long OJT	-3.05	590	\$16,234	\$20,015
Shoe Machine Operators and Tenders	51-6042.00	R	mod. OJT	*	*	*	*
Team Assemblers	51-2092.00	R	mod. OJT	0.79	60,050	\$17,902	\$26,030
Telecommunications Equipment Installers and Repairers, Except Line Installers	49-2022.00	R	long OJT	-0.66	4,610	\$38,866	\$51,493
Textile Bleaching and Dyeing Machine Operators and Tenders	51-6061.00	R	mod. OJT	-4.88	4,770	\$18,816	\$23,996
Textile Cutting Machine Setters, Operators, and Tenders	51-6062.00	R	mod. OJT	-4.81	2,240	\$18,470	\$25,447
Textile Knitting and Weaving Machine Setters, Operators, and Tenders	51-6063.00	R	long OJT	-5.89	9,540	\$18,598	\$24,561
Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	51-6064.00	R	mod. OJT	-5.38	10,030	\$18,372	\$22,455
Textile, Apparel, and Furnishings Workers, all other	51-6099.99	R	short OJT	-5.30	1,350	\$15,930	\$22,010
Timing Device Assemblers, Adjusters, and Calibrators	51-2093.00	RC	mod. OJT	*	*	\$20,256	\$23,825
Tire Builders	51-9197.00	R	mod. OJT	-1.46	1,580	*	*
Tool and Die Makers	51-4111.00	R	long OJT	0.10	2,080	\$29,840	\$39,967
Tool Grinders, Filers, and Sharpeners	51-4194.00	R	mod. OJT	-1.45	710	\$20,263	\$29,412
Upholsterers	51-6093.00	R	long OJT	-5.98	8,290	\$23,465	\$33,789
Watch Repairers	49-9064.00	R	long OJT	*	*	*	*
Weighers, Measurers, Checkers, and Samplers, Recordkeeping	43-5111.00	CR	short OJT	-1.79	3,020	\$17,729	\$24,631
Welders, Cutters, Solderers, and Brazers	51-4121.00	R	long OJT	1.71	9,100	\$24,327	\$33,093
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	51-4122.00	R	mod. OJT	1.40	1,400	\$24,763	\$30,941
Woodworkers, all other	51-7099.99	R	mod. OJT	0.35	340	\$24,047	\$30,288
Woodworking Machine Setters, Operators, and Tenders, Except Sawing	51-7042.00	R	mod. OJT	-1.05	6,530	\$18,884	\$25,308

Marketing Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Cashiers	41-2011.00	CER	short OJT	0.41	100,250	\$14,137	\$17,070
Counter and Rental Clerks	41-2021.00	CER	short OJT	1.91	13,560	\$14,807	\$22,295
Customer Service Representatives	43-4051.00	CES	mod. OJT	2.48	70,040	\$20,674	\$30,187
Demonstrators and Product Promoters	41-9011.00	ERS	mod. OJT	2.58	3,250	\$17,010	\$27,680
Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	41-9091.00	ECS	short OJT	1.52	1,070	\$15,009	\$25,851
First-Line Supervisors/ Managers of Non-Retail Sales Workers	41-1012.00	ECS	work exp.	0.74	16,950	\$36,685	\$72,741
First-Line Supervisors/ Managers of Retail Sales Workers	41-1011.00	ECS	work exp.	0.94	71,000	\$21,819	\$35,539
Market Research Analysts	19-3021.00	IEC	Master	1.43	4,360	\$39,612	\$66,724
Merchandise Displayers and Window Trimmers	27-1026.00	ARE	mod. OJT	1.38	1,650	\$16,251	\$25,863
Models	41-9012.00	AES	mod. OJT	2.01	130	\$13,905	\$22,734
Order Clerks	43-4151.00	CE	short OJT	-3.26	5,790	\$19,494	\$28,015
Parking Lot Attendants	53-6021.00	RE	short OJT	0.40	1,940	\$14,533	\$18,775
Parts Salespersons	41-2022.00	ERCS	mod. OJT	0.32	7,690	\$18,748	\$28,422
Procurement Clerks	43-3061.00	C	short OJT	*	*	\$26,443	\$35,179
Real Estate Brokers	41-9021.00	*	work exp.	0.79	12,270	\$24,907	\$48,709
Real Estate Sales Agents	41-9022.00	ECS	1,2 year	1.71	12,370	\$27,715	\$62,800
Retail Salespersons	41-2031.00	ES	short OJT	1.62	135,150	\$15,251	\$23,243
Sales and Related Workers, all other	41-9099.99	*	mod. OJT	1.99	3,510	\$18,652	\$36,217
Sales Engineers	41-9031.00	ERI	Bachelor	-0.05	1,660	\$46,379	\$73,740
Sales Representatives, Services, all other	41-3099.99	*	mod. OJT	2.28	13,580	\$28,906	\$55,003
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	41-4012.00	ESCR	mod. OJT	1.31	43,490	\$27,621	\$52,997
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	41-4011.00	ERS	mod. OJT	1.75	13,500	\$32,836	\$61,586
Service Station Attendants	53-6031.00	REC	short OJT	2.59	2,190	\$14,316	\$18,116
Telemarketers	41-9041.00	ECS	short OJT	0.15	3,560	\$17,229	\$23,010
Wholesale and Retail Buyers, Except Farm Products	13-1022.00	ECS	work exp.	0.42	2,970	\$29,557	\$48,718

Science, Technology, Engineering and Mathematics Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Aerospace Engineers	17-2011.00	IRC	Bachelor	2.52	500	\$59,130	\$75,301
Agricultural and Food Science Technicians	19-4011.00	RIC	Associate	1.97	790	\$25,319	\$35,169
Agricultural Engineers	17-2021.00	IRC	Bachelor	*	*	\$53,327	\$79,772
Anthropologists and Archeologists	19-3091.00	IA	Master	*	*	\$32,842	\$48,695
Architectural and Civil Drafters	17-3011.00	RC	1,2 year	0.73	2,830	\$31,695	\$44,058
Astronomers	19-2011.00	IRC	Doctorate	*	*	*	*
Atmospheric and Space Scientists	19-2021.00	IR	Bachelor	0.79	160	\$57,169	\$85,518
Biological Scientists, all other	19-1029.99	*	Bachelor	1.93	1,320	\$50,780	\$73,550
Biological Technicians	19-4021.00	RIC	Associate	2.44	3,320	\$28,472	\$40,606
Chemical Engineers	17-2041.00	IR	Bachelor	1.02	680	\$55,352	\$78,823
Chemical Technicians	19-4031.00	RIC	Associate	0.43	1,870	\$28,148	\$38,557
Chemists	19-2031.00	IRC	Bachelor	1.61	3,610	\$40,973	\$63,949
Computer and Information Scientists, Research	15-1011.00	*	Doctorate	2.13	360	\$52,412	\$90,666
Computer Hardware Engineers	17-2061.00	IRC	Bachelor	1.84	1,470	\$59,639	\$90,740
Conservation Scientists	19-1031.00	IR	Bachelor	1.18	390	\$34,281	\$52,854
Drafters, all other	17-3019.99	*	1,2 year	1.27	350	\$31,771	\$55,625
Electrical and Electronic Engineering Technicians	17-3023.00	RI	Associate	0.85	3,580	\$35,961	\$49,679
Electrical and Electronics Drafters	17-3012.00	RCI	1,2 year	1.11	800	\$35,880	\$50,341
Electrical Engineers	17-2071.00	IR	Bachelor	0.96	2,670	\$49,952	\$75,291
Electro-Mechanical Technicians	17-3024.00	R	Associate	-0.25	240	\$33,623	\$43,471
Electronics Engineers, Except Computer	17-2072.00	IR	Bachelor	0.41	2,570	\$57,227	\$80,964
Engineering Managers	11-9041.00	EIRC	Bachelor +	1.45	6,040	\$76,651	\$112,804
Engineering Technicians, Except Drafters, all other	17-3029.99	*	Associate	1.42	1,120	\$28,528	\$50,374
Engineers, all other	17-2199.99	*	Bachelor	1.91	1,810	\$50,943	\$75,342
Environmental Scientists and Specialists, Including Health	19-2041.00	IR	Master	2.19	3,120	\$36,266	\$53,686
Geographers	19-3092.00	IR	Master	*	*	\$54,516	\$66,099
Geoscientists, Except Hydrologists and Geographers	19-2042.00	IRC	Master	2.97	390	\$33,937	\$60,810
Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	17-2111.00	IRC	Bachelor	0.91	690	\$47,798	\$66,357
Historians	19-3093.00	IA	Master	*	*	\$31,747	\$44,332

Science, Technology, Engineering and Mathematics (continued)

Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Hydrologists	19-2043.00	IRC	Master	0.91	170	\$44,058	\$56,749
Industrial Engineers	17-2112.00	EIRC	Bachelor	1.98	6,170	\$48,182	\$67,798
Life Scientists, all other	19-1099.99	*	Bachelor	2.77	920	\$46,473	\$67,726
Life, Physical, and Social Science Technicians, all other	19-4099.99	*	Associate	1.97	3,150	\$29,865	\$38,664
Marine Engineers and Naval Architects	17-2121.00	RI	Bachelor	*	*	*	*
Materials Engineers	17-2131.00	IR	Bachelor	0.46	450	\$54,658	\$71,400
Materials Scientists	19-2032.00	IR	Bachelor	1.56	230	\$59,166	\$88,771
Mathematical Science Occupations, all other	15-2099.99	*	Master	*	*	*	*
Mathematical Technicians	15-2091.00	ICR	Bachelor	*	*	*	*
Mathematicians	15-2021.00	ICA	Master	*	*	\$45,796	\$71,457
Mechanical Engineers	17-2141.00	RI	Bachelor	0.79	4,700	\$49,383	\$67,241
Microbiologists	19-1022.00	IR	Doctorate	1.74	280	\$37,042	\$57,099
Mining and Geological Engineers, Including Mining Safety Engineers	17-2151.00	IRC	Bachelor	*	*	\$42,659	\$61,490
Nuclear Engineers	17-2161.00	IRC	Bachelor	0.86	400	\$64,172	\$88,102
Nuclear Technicians	19-4051.00	RI	Associate	*	*	*	*
Petroleum Engineers	17-2171.00	RI	Bachelor	*	*	*	*
Physical Scientists, all other	19-2099.99	*	Bachelor	*	*	\$35,572	\$64,979
Physicists	19-2012.00	IRC	Doctorate	2.26	520	\$49,728	\$96,152
Political Scientists	19-3094.00	IA	Master	*	*	\$55,226	\$100,743
Social Science Research Assistants	19-4061.00	CI	Associate	2.20	440	\$21,626	\$31,179
Statisticians	15-2041.00	IC	Master	2.26	710	\$46,235	\$70,582
Survey Researchers	19-3022.00	*	Master	2.35	540	\$29,355	\$42,273
Surveying and Mapping Technicians	17-3031.00	RC	mod. OJT	2.00	4,360	\$23,133	\$32,424
Technical Writers	27-3042.00	AI	Bachelor	2.19	1,040	\$38,544	\$59,392

Transportation, Distribution and Logistics Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Aerospace Engineering and Operations Technicians	17-3021.00	IRC	Associate	*	*	\$45,865	\$51,463
Air Traffic Controllers	53-2021.00	CRE	long OJT	*	*	*	*
Aircraft Cargo Handling Supervisors	53-1011.00	*	work exp.	2.14	60	\$28,234	\$37,560
Aircraft Mechanics and Service Technicians	49-3011.00	R	1,2 year	2.20	4,930	\$30,862	\$41,618
Airfield Operations Specialists	53-2022.00	*	long OJT	1.74	140	\$22,237	\$35,351
Airline Pilots, Copilots, and Flight Engineers	53-2011.00	REIC	Bachelor	*	*	*	*
Ambulance Drivers and Attendants, Except Emergency Medical Technicians	53-3011.00	SRE	mod. OJT	1.93	720	\$17,765	\$23,068
Automotive Body and Related Repairers	49-3021.00	R	long OJT	1.26	4,720	\$25,196	\$40,380
Automotive Glass Installers and Repairers	49-3022.00	R	long OJT	1.66	470	\$22,546	\$30,411
Automotive Service Technicians and Mechanics	49-3023.00	R	1,2 year	1.69	22,460	\$22,901	\$36,970
Avionics Technicians	49-2091.00	R	1,2 year	*	*	\$41,506	\$48,245
Bicycle Repairers	49-3091.00	R	mod. OJT	1.98	140	\$19,351	\$24,700
Billing and Posting Clerks and Machine Operators	43-3021.00	CE	mod. OJT	0.88	14,290	\$23,162	\$29,852
Bridge and Lock Tenders	53-6011.00	RC	short OJT	*	*	\$23,600	\$28,464
Bus and Truck Mechanics and Diesel Engine Specialists	49-3031.00	R	1,2 year	1.36	8,380	\$27,718	\$37,759
Bus Drivers, School	53-3022.00	RS	short OJT	1.60	16,310	\$18,582	\$23,221
Bus Drivers, Transit and Intercity	53-3021.00	RS	mod. OJT	1.96	3,890	\$18,002	\$27,700
Captains, Mates, and Pilots of Water Vessels	53-5021.00	ERC	work exp.	1.19	280	\$19,616	\$36,925
Cargo and Freight Agents	43-5011.00	CR	mod. OJT	1.12	860	\$26,100	\$36,069
Cleaners of Vehicles and Equipment	53-7061.00	R	short OJT	1.41	10,680	\$14,649	\$20,064
Commercial Pilots	53-2012.00	REIC	1,2 year	1.50	630	\$36,075	\$61,416
Conveyor Operators and Tenders	53-7011.00	R	short OJT	0.14	970	\$15,195	\$22,787
Dispatchers, Except Police, Fire, and Ambulance	43-5032.00	CR	mod. OJT	0.64	4,570	\$22,195	\$32,993
Electrical and Electronics Installers and Repairers, Transportation Equipment	49-2093.00	R	1,2 year	1.52	390	\$28,934	\$40,266
Electronic Equipment Installers and Repairers, Motor Vehicles	49-2096.00	R	1,2 year	1.24	690	\$21,265	\$29,189
First-Line Supervisors/ Managers of Helpers, Laborers, and Material Movers, Hand	53-1021.00	ECR	work exp.	1.55	7,350	\$26,746	\$39,072
First-Line Supervisors/ Managers of Transportation and Material-Moving Machine and Vehicle Operators	53-1031.00	ERC	work exp.	0.92	9,440	\$32,037	\$46,717
Flight Attendants	39-6031.00	ESA	long OJT	*	*	*	*
Industrial Truck and Tractor Operators	53-7051.00	R	short OJT	-0.14	21,730	\$20,008	\$27,025

Transportation, Distribution and Logistics (continued)

Careers in North Carolina

	SOC code	interest	min. educ.	openings outlook	current workers	salary entry	salary all
Laborers and Freight, Stock, and Material Movers, Hand	53-7062.00	R	short OJT	0.73	81,020	\$16,187	\$22,272
Locomotive Engineers	53-4011.00	RC	work exp.	0.51	950	\$29,943	\$38,867
Locomotive Firers	53-4012.00	RC	work exp.	*	*	*	*
Logisticians	13-1081.00	*	Bachelor	2.57	2,230	\$42,447	\$60,170
Mobile Heavy Equipment Mechanics, Except Engines	49-3042.00	R	1,2 year	1.92	3,320	\$29,357	\$39,656
Motor Vehicle Operators, all other	53-3099.99	R	short OJT	0.37	5,560	\$19,105	\$26,946
Motorboat Mechanics	49-3051.00	R	long OJT	1.70	910	\$23,450	\$32,937
Motorboat Operators	53-5022.00	RE	mod. OJT	*	*	\$26,056	\$40,009
Motorcycle Mechanics	49-3052.00	R	long OJT	1.68	520	\$20,384	\$31,391
Packers and Packers, Hand	53-7064.00	R	short OJT	-0.86	30,060	\$14,642	\$19,261
Rail Car Repairers	49-3043.00	R	long OJT	0.23	390	\$24,774	\$34,524
Rail Transportation Workers, all other	53-4099.99	R	mod. OJT	*	*	\$21,976	\$32,756
Rail Yard Engineers, Dinkey Operators, and Hostlers	53-4013.00	R	work exp.	-4.06	60	*	*
Railroad Brake, Signal, and Switch Operators	53-4021.00	RC	work exp.	*	*	\$37,210	\$43,949
Railroad Conductors and Yardmasters	53-4031.00	REC	work exp.	0.61	650	\$24,046	\$37,363
Rail-Track Laying and Maintenance Equipment Operators	47-4061.00	R	mod. OJT	*	*	\$25,557	\$32,370
Recreational Vehicle Service Technicians	49-3092.00	R	long OJT	2.55	170	\$24,710	\$32,156
Sailors and Marine Oilers	53-5011.00	RC	short OJT	*	*	\$29,951	\$37,127
Ship Engineers	53-5031.00	REC	1,2 year	0.44	110	\$34,192	\$43,918
Shipping, Receiving, and Traffic Clerks	43-5071.00	CR	short OJT	0.62	22,540	\$19,635	\$27,565
Signal and Track Switch Repairers	49-9097.00	R	mod. OJT	*	*	*	*
Subway and Streetcar Operators	53-4041.00	RC	*	*	*	*	*
Tank Car, Truck, and Ship Loaders	53-7121.00	R	mod. OJT	3.02	180	\$27,378	\$33,432
Taxi Drivers and Chauffeurs	53-3041.00	R	short OJT	1.30	4,260	\$15,997	\$21,724
Tire Repairers and Changers	49-3093.00	R	short OJT	2.61	3,780	\$16,925	\$22,717
Traffic Technicians	53-6041.00	RIC	short OJT	1.88	120	\$23,784	\$33,009
Transportation Workers, all other	53-6099.99	*	short OJT	1.60	740	\$15,596	\$23,942
Transportation, Storage, and Distribution Managers	11-3071.00	EC	work exp.	0.90	2,440	\$47,470	\$76,194
Truck Drivers, Heavy and Tractor-Trailer	53-3032.00	R	mod. OJT	1.17	57,550	\$25,605	\$37,574
Truck Drivers, Light or Delivery Services	53-3033.00	R	short OJT	1.20	33,050	\$19,278	\$28,726

Employment Trends in North Carolina

Employment by Career Cluster in 2006 and Projected to 2016

Career Cluster	Total Employment 2006	2016	10-yr Change	Annual Openings Outlook
Agriculture, Food and Natural Resources	137,620	140,990	3,370	0.2
Architecture and Construction	351,980	432,720	80,740	2.3
Arts, A/V Technology and Communications	52,070	55,450	3,380	0.6
Business Management and Administration	678,070	763,200	85,130	1.3
Education and Training	265,470	327,560	62,090	2.3
Finance	103,310	121,270	17,960	1.7
Government and Public Administration	47,730	51,970	4,240	0.9
Health Science	340,240	449,140	108,900	3.2
Hospitality and Tourism	488,140	594,110	105,970	2.2
Human Services	159,440	213,290	53,850	3.4
Information Technology	93,200	116,150	22,950	2.5
Law, Public Safety, Corrections and Security	126,170	153,200	27,030	2.1
Manufacturing	490,820	470,140	-20,680	-0.4
Marketing	541,930	617,780	75,850	1.4
Science, Technology, Engineering and Mathematics	64,760	75,590	10,830	1.7
Transportation, Distribution and Logistics	384,710	421,610	36,900	1.0

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For further career information:

- North Carolina Career Cluster Guide 2009-2010
- Contact the Career Development Coordinator (CDC) or counselor at your school
- www.ncsoicc.org – North Carolina Career Resource Network
- www.ncesc.com – Employment Security Commission of North Carolina
- online.onetcenter.org – O*NET: Occupational Information Network
- www.f4k.org – Futures for Kids

The guiding mission of the North Carolina State Board of Education is that every public school student will graduate from high school, globally competitive for work and postsecondary education and prepared for life in the 21st Century.

Preparing for the right career is a big part of being globally competitive and prepared for the 21st Century. This handbook provides the information needed by our students to see where the job openings will be in the future, which should help them decide on a postsecondary education/training program that will truly prepare them for a rewarding career.