



# TORO Analysis of Operations Research Analysts to Accountants

## INPUT SECTION:

Transfer	Title	O*NET	Filters		
From Title:	Operations Research Analysts	15-2031.00	Abilities:	Importance Level: 50	Weight: 1
To Title:	Accountants	13-2011.01	Skills:	Importance Level: 69	Weight: 1
Labor Market Area:	Maine Statewide		Knowledge:	Importance Level: 69	Weight: 1

## OUTPUT SECTION:

Grand TORQ:		83
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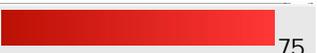
Ability TORQ		Skills TORQ		Knowledge TORQ	
Level		94	Level		80
			Level		75

Gaps To Narrow if Possible				Upgrade These Skills				Knowledge to Add			
Ability	Level	Gap	Impt	Skill	Level	Gap	Impt	Knowledge	Level	Gap	Impt
Near Vision	66	13	68	Monitoring	71	8	71	Customer and Personal Service	65	34	73
Perceptual Speed	42	14	53					Economics and Accounting	73	25	78
Deductive Reasoning	69	7	75					English Language	65	12	74
Speech Recognition	46	4	62								
Number Facility	69	3	56								
Problem Sensitivity	59	2	78								

LEVEL and IMPT (IMPORTANCE) refer to the Target Accountants. GAP refers to level difference between Operations Research Analysts and Accountants.

## ASK ANALYSIS

Ability Level Comparison - Abilities with importance scores over 50

Description	Operations Research Analysts	Accountants	Importance
Problem Sensitivity	57 	59 	78 
Deductive Reasoning	62 	69 	75 
Oral Expression	64 	64 	72 
Written Expression	62 	59 	72 
Information Ordering	55 	55 	72 

Mathematical Reasoning	67	64	72
Written Comprehension	64	62	68
Near Vision	53	66	68
Inductive Reasoning	60	57	65
Speech Clarity	46	46	65
Speech Recognition	42	46	62
Oral Comprehension	64	60	59
Number Facility	66	69	56
Flexibility of Closure	51	51	53
Perceptual Speed	28	42	53
Selective Attention	42	41	53
Category Flexibility	57	53	50

Skill Level Comparison - Abilities with importance scores over 69

Description	Operations Research Analysts	Accountants	Importance
Mathematics	91	68	88
Active Listening	76	68	79
Critical Thinking	82	63	72
Monitoring	63	71	71
Active Learning	80	66	69
Judgment and Decision Making	82	76	69

Knowledge Level Comparison - Knowledge with importance scores over 69

Description	Operations Research Analysts	Accountants	Importance
Mathematics	93	77	91
Economics and Accounting	48	73	78
English Language	53	65	74
Customer and Personal Service	31	65	73

**Experience & Education Comparison**

Related Work Experience Comparison				Required Education Level Comparison			
Description	Operations Research Analysts		Accountants	Description	Operations Research Analysts	Accountants	
10+ years	0%		0%	Doctoral	12%		0%
8-10 years	0%		0%	Professional Degree	0%		0%
6-8 years	4%		0%	Post-Masters Cert	0%		0%
4-6 years	8%		27%				

2-4 years	29%			37%	Master's Degree		0%	
1-2 years	8%			7%	Post-Bachelor Cert	0%	3%	
6-12 months	8%			26%	Bachelors	16%		80%
3-6 months	0%			0%	AA or Equiv	0%	1%	
1-3 months	0%			0%	Some College	0%	10%	
0-1 month	0%			0%	Post-Secondary Certificate	0%	0%	
None	41%			1%	High School Diploma or GED	0%	3%	
					No HSD or GED	0%	0%	

Operations Research Analysts	Accountants
<b>Most Common Educational/Training Requirement:</b>	
Master's degree	Bachelor's degree
<b>Job Zone Comparison</b>	
<p><b>5 - Job Zone Five: Extensive Preparation Needed</b></p> <p>Extensive skill, knowledge, and experience are needed for these occupations. Many require more than five years of experience. For example, surgeons must complete four years of college and an additional five to seven years of specialized medical training to be able to do their job.</p> <p>A bachelor's degree is the minimum formal education required for these occupations. However, many also require graduate school. For example, they may require a master's degree, and some require a Ph.D., M.D., or J.D. (law degree).</p> <p>Employees may need some on-the-job training, but most of these occupations assume that the person will already have the required skills, knowledge, work-related experience, and/or training.</p>	<p><b>4 - Job Zone Four: Considerable Preparation Needed</b></p> <p>A minimum of two to four years of work-related skill, knowledge, or experience is needed for these occupations. For example, an accountant must complete four years of college and work for several years in accounting to be considered qualified.</p> <p>Most of these occupations require a four - year bachelor's degree, but some do not.</p> <p>Employees in these occupations usually need several years of work-related experience, on-the-job training, and/or vocational training.</p>

## Tasks

Operations Research Analysts	Accountants
Core Tasks	Core Tasks
<p>Generalized Work Activities:</p> <ul style="list-style-type: none"> <li>Analyzing Data or Information - Identifying the underlying principles, reasons, or facts of information by breaking down information or data into separate parts.</li> <li>Interacting With Computers - Using computers and computer systems (including hardware and software) to program, write software, set up functions, enter data, or process information.</li> <li>Making Decisions and Solving Problems - Analyzing information and evaluating results to choose the best solution and solve problems.</li> <li>Getting Information - Observing, receiving, and otherwise obtaining information from all relevant sources.</li> <li>Processing Information - Compiling, coding, categorizing, calculating, tabulating, auditing, or verifying information or data.</li> </ul>	<p>Generalized Work Activities:</p> <ul style="list-style-type: none"> <li>Interacting With Computers - Using computers and computer systems (including hardware and software) to program, write software, set up functions, enter data, or process information.</li> <li>Analyzing Data or Information - Identifying the underlying principles, reasons, or facts of information by breaking down information or data into separate parts.</li> <li>Processing Information - Compiling, coding, categorizing, calculating, tabulating, auditing, or verifying information or data.</li> <li>Getting Information - Observing, receiving, and otherwise obtaining information from all relevant sources.</li> <li>Documenting/Recording Information - Entering, transcribing, recording, storing, or maintaining information in written or electronic/magnetic form.</li> </ul>



### Specific Tasks

#### Occupation Specific Tasks:

- Analyze information obtained from management in order to conceptualize and define operational problems.
- Break systems into their component parts, assign numerical values to each component, and examine the mathematical relationships between them.
- Collaborate with others in the organization to ensure successful implementation of chosen problem solutions.
- Collaborate with senior managers and decision-makers to identify and solve a variety of problems, and to clarify management objectives.
- Define data requirements; then gather and validate information, applying judgment and statistical tests.
- Design, conduct, and evaluate experimental operational models in cases where models cannot be developed from existing data.
- Develop and apply time and cost networks in order to plan, control, and review large projects.
- Develop business methods and procedures, including accounting systems, file systems, office systems, logistics systems, and production schedules.
- Formulate mathematical or simulation models of problems, relating constants and variables, restrictions, alternatives, conflicting objectives, and their numerical parameters.
- Observe the current system in operation, and gather and analyze information about each of the parts of component problems, using a variety of sources.
- Perform validation and testing of models to ensure adequacy; reformulate models as necessary.
- Prepare management reports defining and evaluating problems and recommending solutions.
- Specify manipulative or computational methods to be applied to models.
- Study and analyze information about alternative courses of action in order to determine which plan will offer the best outcomes.

### Detailed Tasks

#### Detailed Work Activities:

- advise clients or customers
- advise governmental or industrial personnel
- analyze operational or management reports or records
- analyze scientific research data or

### Specific Tasks

#### Occupation Specific Tasks:

- Advise clients in areas such as compensation, employee health care benefits, the design of accounting or data processing systems, or long-range tax or estate plans.
- Advise management about issues such as resource utilization, tax strategies, and the assumptions underlying budget forecasts.
- Analyze business operations, trends, costs, revenues, financial commitments, and obligations, to project future revenues and expenses or to provide advice.
- Appraise, evaluate, and inventory real property and equipment, recording information such as the description, value and location of property.
- Compute taxes owed and prepare tax returns, ensuring compliance with payment, reporting or other tax requirements.
- Develop, implement, modify, and document recordkeeping and accounting systems, making use of current computer technology.
- Develop, maintain, and analyze budgets, preparing periodic reports that compare budgeted costs to actual costs.
- Establish tables of accounts and assign entries to proper accounts.
- Investigate bankruptcies and other complex financial transactions and prepare reports summarizing the findings.
- Maintain or examine the records of government agencies.
- Prepare forms and manuals for accounting and bookkeeping personnel, and direct their work activities.
- Prepare, examine, or analyze accounting records, financial statements, or other financial reports to assess accuracy, completeness, and conformance to reporting and procedural standards.
- Provide internal and external auditing services for businesses or individuals.
- Report to management regarding the finances of establishment.
- Represent clients before taxing authorities and provide support during litigation involving financial issues.
- Serve as bankruptcy trustees or business valuers.
- Survey operations to ascertain accounting needs and to recommend, develop, or maintain solutions to business and financial problems.
- Work as Internal Revenue Service (IRS) agents.

### Detailed Tasks



## investigative findings

- assist with business or managerial research
- collect scientific or technical data
- collect statistical data
- communicate technical information
- compile numerical or statistical data
- confer with research personnel
- create mathematical or statistical diagrams or charts
- design computer programs or programming tools
- develop management control systems
- develop mathematical ideas or interpretations
- develop mathematical simulation models
- develop or maintain databases
- develop records management system
- develop tables depicting data
- direct and coordinate scientific research or investigative studies
- evaluate management programs
- explain complex mathematical information
- follow statistical process control procedures
- make presentations
- obtain information from individuals
- perform statistical modeling
- plan scientific research or investigative studies
- prepare reports
- prepare reports for management
- prepare technical reports or related documentation
- program computers for management analysis applications
- program computers using existing software
- provide expert testimony on research results
- recommend further study or action based on research data
- resolve engineering or science problems
- select business applications for computers
- use computer application flow charts
- use computers to enter, access or retrieve data
- use cost benefit analysis techniques
- use interpersonal communication techniques
- use knowledge of investigation techniques
- use library or online Internet research techniques
- use long or short term production planning techniques

## Detailed Tasks

## Detailed Work Activities:

- advise clients on financial matters
- analyze applicant's financial status
- analyze budgets
- analyze financial data
- analyze financial information to project future revenues or expense
- appraise, evaluate, or inventory real property or equipment
- compile data for financial reports
- compute financial data
- compute taxes
- conduct financial investigations
- confer with taxpayer or representative
- determine tax liability according to prescribed laws
- develop budgets
- develop or maintain budgeting databases
- direct and coordinate financial activities
- evaluate degree of financial risk
- fill out business or government forms
- follow tax laws or regulations
- inspect account books or system for efficiency, effectiveness, or acceptability
- maintain account records
- maintain record of organization expenses
- make revenue forecasts
- note discrepancies in financial records
- obtain financial information from individuals
- perform general financial analysis
- prepare audit reports or recommendations
- prepare financial reports
- prepare periodic reports comparing budgeted costs to actual costs
- prepare tax reports
- prepare tax returns
- use accounting or bookkeeping software
- use accounting terminology
- use computers to enter, access and retrieve financial data
- use cost benefit analysis techniques
- use spreadsheet software
- use statistical cost estimation methods
- verify bank or financial transactions
- write administrative procedures services manual

## Technology - Examples

## Accounting software

- Accounts payable software



- use mathematical or statistical methods to identify or analyze problems
- use object-oriented computer programming techniques
- use project management techniques
- use quantitative research methods
- use relational database software
- use scientific research methodology
- use spreadsheet software
- use statistical cost estimation methods
- use word processing or desktop publishing software
- write scholarly or technical research papers
- write technical specifications for computer systems, software or applications

#### Technology - Examples

##### Analytical or scientific software

- A mathematical programming language AMPL
- Business Forecast Systems Forecast Pro
- Claritas PRIZM NE
- ESRI ArcExplorer
- General algebraic modeling system GAMS
- Hyperion Solutions Hyperion Intelligence
- iGrafx software
- ILOG OPL-CPLEX Development System
- Imagine That Extend OR
- Insightful S-PLUS
- LINDO Systems LINGO
- Mesquite Software CSIM
- Mixed integer optimizer MINTO
- ProModel software
- Rockwell Automation Arena
- SAS software
- SPSS software
- Stanford Business Software MINOS
- Stanford Business Software SNOPT
- Statistical software
- Telelogic System Architect

- Accounts receivable software
- Accurate NXG
- AcorynSystems Activity Based Costing/Management ABC/M
- AdaptaSoft CyberPay
- Asset management software
- ATX Total Accounting Office
- ATX Total Engagement Office
- Automation Counselors municipAL
- Best MIP Fund Accounting
- Billing software
- CCIS AccountAbility
- Cost accounting software
- CYMA IV Accounting for Windows
- Evron Computer Systems SAGE PFW (Platinum For Windows)
- Financial reporting software
- Financial statement software
- FRx Software Microsoft FRx
- Fund accounting software
- General ledger software
- Heron CrossTie General Ledger
- Intuit QuickBooks
- Invoice software
- Lead Activity Analyzer
- Lead Business Analyzer
- Micronetics Xpert Write-up
- Multiview Accounts Receivable
- New Millennium Communications Genesis Accounting
- Pro Systems Client Write-Up System for Windows
- Profit Developers Electronic File Interchange
- PROPHIX Enterprise



- The Mathworks MATLAB

- The MathWorks Simulink

- Wolfram Research Mathematica

## Charting software

- Microsoft Office Visio

## Computer aided design CAD software

- Mathsoft Mathcad

## Computer aided manufacturing CAM software

- Dassault Systemes CATIA software

## Data base management system software

- MySQL software

## Data base reporting software

- Business Objects Crystal Reports

- Strategic Reporting Systems ReportSmith

## Data base user interface and query software

- Microsoft Access

- Oracle software

- Structured query language SQL

## Development environment software

- C

- Microsoft Visual Basic

## Map creation software

- ESRI ArcGIS software

- Microsoft MapPoint

## Object or component oriented development software

- C++

- R

- Sun Microsystems Java

- Sybase PowerBuilder

## Office suite software

- Microsoft Office

## Presentation software

- Microsoft PowerPoint

## Project management software

- Microsoft Project

## Spreadsheet software

- Microsoft Excel

- Roundtable Software Advantage Accounting System

- Sage CPAAccounts Payable

- Sage CPAAccounts Receivable

- Sage CPAclient Checkbook

- Sage CPAPractice Manager

- Sage Peachtree

- Sage Software BusinessWorks

- Sage Software Peachtree software

- Softrax Revenue Management

- Summit Software Summit Biofuels Accounting

- UA Business Software Professional Edition

## Compliance software

- Accounting compliance software

- ACCUCert software

- FLS eDP PAYROLL tax

- Intrax ProcedureNet

- Paisley Cardmap

- Paisley Focus Control Assurance

- Paisley RiskNavigator

- Tax compliance property tax management software

## Customer relationship management CRM software

- Blackbaud The Raiser's Edge

## Data base reporting software

- Business Objects Crystal Reports

## Data base user interface and query software

- Microsoft Access

- Practice management software PMS

- Sage Solutions CPAPayroll

## Development environment software

- eXtensible Business Reporting Language XBRL

## Document management software

- Accutrac software

- Document management software

- OmniRIM software



## Word processing software

- Microsoft Word

## Tools - Examples

- Desktop computers
- Mainframe computers
- Laptop computers
- Personal computers

- Sage CPADocument Manager

## Enterprise application integration software

- Business Objects Data Integrator

## Enterprise resource planning ERP software

- Accountants Templates JAZZ-It!
- AcornSystems Corporate Performance Management

- Cartesis ES Magnitude

- Great Plains software

- Hyperion Solutions System 9

- Microsoft Dynamics GP

- Microsoft Dynamics NAV

- Microsoft Dynamics SL

- Microsoft Great Plains Solomon

- NetSuite NetERP

- Sage Accpac

- Sage MAS 200

- Sage Software Platinum for Windows PFW

## Financial analysis software

- Accounting fraud detection software

- AuditWare software

- Brentmark Estate Planning Quickview

- Cammack Computations Inter-Est

- Cartesis Magnitude iAnalysis

- Estate planning software

- Fixed-assets depreciation software

- MethodWare ProAudit Advisor

- Microsoft FRx

- OSI TrustWise

- Paisley AutoAudit

- Paisley IssueTrack

- Payables Tests Sets for ACL software

- Pentana audit work system PAWS



- RSM McGladrey Advanced Practice Solutions Paperless Audit

- RSM McGladrey Auditor Assistant

- Sage MAS 500

- Sync Essentials Trade Accountant

Human resources software

- Sage Software Abra HRMS

Inventory management software

- AIM Asset Management Software

- Sage MAS 90

Office suite software

- Microsoft Office

Operating system software

- Microsoft Windows

Presentation software

- Microsoft PowerPoint

Spreadsheet software

- Microsoft Excel

Tax preparation software

- 1099 ProsSoftware

- Abacus Tax Software

- Advanced Micro Systems 1099-Etc

- American Riviera Magtax

- ATX Total Tax Office

- Avalara AvaTax ST

- BNA Estate and Gift Tax Suite

- BNA Income Tax Planning Solutions

- BNA Sales and Use Tax Rates and Forms

- CCH ProSystem fx TAX

- Creative Solutions UltraTax 1040

- H&R Block TaxCut Software

- IDMS Account Ability

- Income tax return preparation software

- Intuit Lacerte

- Intuit ProSeries



- Intuit TurboTax
- KPB Associates TaxStream
- NewPortWave Year End Solutions
- Ortax Software IntelliTax Business for Windows
- Ortax Software IntelliTax Classic
- Thomson GoSystem Tax
- Universal Tax Systems TaxWise

## Time accounting software

- Payroll software

## Transaction server software

- Tumbleweed SecureTransport

## Word processing software

- Microsoft Word

## Tools - Examples

- 10-key calculators
- Desktop computers
- Fax machines
- Notebook computers
- Personal computers
- Personal digital assistants PDA
- Photocopying equipment
- Scanners
- Tablet computers

### Labor Market Comparison

Description	Operations Research Analysts	Accountants	Difference
Median Wage	\$ 64,140	\$ 48,110	\$( 16,030)
10th Percentile Wage	\$ 41,690	\$ 33,700	\$( 7,990)
25th Percentile Wage	N/A	N/A	N/A
75th Percentile Wage	\$ 75,720	\$ 62,620	\$( 13,100)
90th Percentile Wage	\$ 87,250	\$ 81,400	\$( 5,850)
Mean Wage	\$ 63,700	\$ 53,860	\$( 9,840)
Total Employment - 2007	180	3,250	3,070

Employment Base - 2006	187	3,967	3,780
Projected Employment - 2016	210	4,395	4,185
Projected Job Growth - 2006-2016	12.3 %	10.8 %	-1.5 %
Projected Annual Openings - 2006-2016	6	113	107

**National Job Posting Trends**

Trend for Operations Research Analysts Trend for Accountants



Data from [Indeed](http://Indeed.com)

Recommended Programs			
Accounting and Computer Science			
Accounting and Computer Science. A program that combines accounting with computer science and/or computer studies.			
No schools available for the program			
Accounting			
Accounting. A program that prepares individuals to practice the profession of accounting and to perform related business functions. Includes instruction in accounting principles and theory, financial accounting, managerial accounting, cost accounting, budget control, tax accounting, legal aspects of accounting, auditing, reporting procedures, statement analysis, planning and consulting, business information systems, accounting research methods, professional standards and ethics, and applications to specific for-profit, public, and non-profit organizations.			
Institution	Address	City	URL
University of Maine at Augusta	46 University Dr	Augusta	<a href="http://www.uma.maine.edu/">www.uma.maine.edu/</a>
Beal College	99 Farm Road	Bangor	<a href="http://bealcollege.edu">bealcollege.edu</a>
Husson College	One College Circle	Bangor	<a href="http://www.husson.edu">www.husson.edu</a>
Husson College	One College Circle	Bangor	<a href="http://www.husson.edu">www.husson.edu</a>
University of Maine at Machias	9 O'Brien Ave	Machias	<a href="http://www.umm.maine.edu">www.umm.maine.edu</a>
University of Maine		Orono	<a href="http://www.umaine.edu/">www.umaine.edu/</a>



Andover College	901 Washington Ave	Portland	<a href="http://WWW.ANDOVERCOLLEGE.edu">WWW.ANDOVERCOLLEGE.edu</a>
Andover College	901 Washington Ave	Portland	<a href="http://WWW.ANDOVERCOLLEGE.edu">WWW.ANDOVERCOLLEGE.edu</a>
University of Southern Maine	96 Falmouth St	Portland	<a href="http://www.usm.maine.edu">www.usm.maine.edu</a>
University of Southern Maine	96 Falmouth St	Portland	<a href="http://www.usm.maine.edu">www.usm.maine.edu</a>
University of Maine at Presque Isle	181 Main St	Presque Isle	<a href="http://www.umpi.maine.edu">www.umpi.maine.edu</a>
Saint Josephs College	278 Whites Bridge Rd	Standish	<a href="http://www.sjcme.edu">www.sjcme.edu</a>
Saint Josephs College	278 Whites Bridge Rd	Standish	<a href="http://www.sjcme.edu">www.sjcme.edu</a>
Thomas College	180 W River Rd	Waterville	<a href="http://www.thomas.edu">www.thomas.edu</a>
Thomas College	180 W River Rd	Waterville	<a href="http://www.thomas.edu">www.thomas.edu</a>
York County Community College	112 College Drive	Wells	<a href="http://www.yccc.edu">www.yccc.edu</a>

## Auditing

Auditing. A program that prepares individuals, including certified accountants, to perform independent internal and external appraisals to evaluate organizational financial and operational activities, ensure compliance with laws and policies, safeguard assets, and promote effective planning and resource allocation. Includes instruction in advanced accounting, audit tools and techniques, sampling, risk and control, audit planning, audit function management, law and regulations, environmental auditing, information technology applications, professional standards and ethics, and specific industry and service sector problems.

No schools available for the program

## Accounting and Finance

Accounting and Finance. An integrated or combined program in accounting and finance that prepares individuals to function as accountants and financial managers or analysts.

Institution	Address	City	URL
University of Southern Maine	96 Falmouth St	Portland	<a href="http://www.usm.maine.edu">www.usm.maine.edu</a>

## Accounting and Business/Management

Accounting and Business/Management. An integrated or combined program in accounting and business administration/management that prepares individuals to function as accountants and business managers.

No schools available for the program

## Taxation

Taxation. A program that prepares individuals to provide tax advice and management services to individuals and corporations. Includes instruction in tax law and regulations, tax record systems, individual and corporate income taxation, tax planning, partnerships and fiduciary relationships, estates and trusts, property depreciation, capital gains and losses, dispositions, transfers, liquidity, valuation, and applications to specific tax problems.

Institution	Address	City	URL
Thomas College	180 W River Rd	Waterville	<a href="http://www.thomas.edu">www.thomas.edu</a>

## Maine Statewide Promotion Opportunities for Operations Research Analysts

O*NET Code	Title	Grand TORQ	Job Zone	Employment	Median Wage	Difference	Growth	Annual Job Openings
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15-2031.00	Operations Research Analysts	100	5	180	\$64,140.00	\$0.00	12%	6
13-2051.00	Financial Analysts	83	4	210	\$71,380.00	\$7,240.00	10%	4
15-1032.00	Computer Software Engineers, Systems Software	83	4	290	\$73,410.00	\$9,270.00	11%	8
19-2012.00	Physicists	82	5	50	\$93,210.00	\$29,070.00	-4%	1
11-3021.00	Computer and Information Systems Managers	80	5	870	\$83,130.00	\$18,990.00	8%	21
17-2112.00	Industrial Engineers	80	4	580	\$68,350.00	\$4,210.00	11%	22
17-2071.00	Electrical Engineers	80	4	260	\$73,050.00	\$8,910.00	-10%	6
17-2131.00	Materials Engineers	80	4	40	\$70,250.00	\$6,110.00	-7%	1
17-2121.02	Marine Architects	80	4	60	\$75,520.00	\$11,380.00	-9%	1
13-2052.00	Personal Financial Advisors	79	3	360	\$94,100.00	\$29,960.00	10%	13
17-2141.00	Mechanical Engineers	79	4	620	\$67,210.00	\$3,070.00	-9%	14
19-2043.00	Hydrologists	79	5	130	\$71,270.00	\$7,130.00	16%	5
17-2041.00	Chemical Engineers	78	4	170	\$81,330.00	\$17,190.00	-17%	5
11-9121.00	Natural Sciences Managers	78	5	180	\$79,810.00	\$15,670.00	8%	5
11-9041.00	Engineering Managers	77	5	720	\$91,030.00	\$26,890.00	-2%	14

### Top Industries for Accountants

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Accounting, tax preparation, bookkeeping, and payroll services	541200	21.37%	272,351	355,310	30.46%
Self-employed workers, primary job	000601	7.79%	99,236	105,724	6.54%
Management of companies and enterprises	551100	5.38%	68,525	86,895	26.81%
Local government, excluding education and hospitals	939300	3.32%	42,296	52,267	23.57%
State government, excluding education and hospitals	929200	3.06%	39,011	42,109	7.94%

Depository credit intermediation	522100	2.04%	26,041	26,549	1.95%
Colleges, universities, and professional schools, public and private	611300	2.01%	25,611	28,652	11.87%
Federal government, excluding postal service	919999	1.85%	23,630	20,105	-14.92%
Self-employed workers, secondary job	000602	1.75%	22,317	22,217	-0.45%
Management, scientific, and technical consulting services	541600	1.45%	18,502	36,334	96.38%
Employment services	561300	1.43%	18,183	25,315	39.22%
Computer systems design and related services	541500	1.21%	15,429	22,915	48.52%
General medical and surgical hospitals, public and private	622100	1.16%	14,756	16,337	10.71%
Office administrative services	561100	1.09%	13,937	19,438	39.47%
Other financial investment activities	523900	1.03%	13,154	20,391	55.02%

### Top Industries for Operations Research Analysts

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Management, scientific, and technical consulting services	541600	9.10%	5,311	9,058	70.57%
Computer systems design and related services	541500	8.26%	4,822	6,221	29.00%
State government, excluding education and hospitals	929200	6.33%	3,695	3,464	-6.24%
Federal government, excluding postal service	919999	6.31%	3,682	2,993	-18.71%
Management of companies and enterprises	551100	5.97%	3,484	3,837	10.14%
Depository credit intermediation	522100	4.87%	2,840	2,766	-2.59%
Data processing, hosting, and related services	518200	3.95%	2,303	2,974	29.16%
Wired telecommunications carriers	517100	2.41%	1,409	1,057	-24.99%
Research and development in the physical, engineering, and life sciences	541710	2.40%	1,402	1,429	1.93%
Local government, excluding education and hospitals	939300	2.19%	1,275	1,369	7.33%
Professional and commercial equipment and supplies merchant wholesalers	423400	2.14%	1,246	1,388	11.37%
Colleges, universities, and professional schools, public and private	611300	2.10%	1,227	1,311	6.89%
Other nondepository credit intermediation, including real estate credit and consumer lending	522290	1.99%	1,164	1,333	14.58%
Securities and commodity contracts, brokerages, and exchanges	5231-2	1.84%	1,076	1,505	39.85%
General medical and surgical hospitals, public and private	622100	1.77%	1,035	1,094	5.78%