

# Appendices

“The North American Industry Classification System (NAICS) is the standard used by Federal statistical agencies in classifying business establishments for the purpose of collecting, analyzing, and publishing statistical data related to the U.S. business economy.”<sup>1</sup>

# Appendix One: NAICS Codes in Each Cluster

## Engineering Technology and Design

NAICS	TITLE
541310	Architectural Services
541320	Landscape Architectural Services
541330	Engineering Services
541340	Drafting Services
541350	Building Inspection Services
541360	Geophysical Surveying and Mapping Services
541370	Surveying and Mapping (except Geophysical) Services
541380	Testing Laboratories
541410	Interior Design Services
541420	Industrial Design Services
541430	Graphic Design Services
541490	Other Specialized Design Services
541511	Custom Computer Programming Services
541512	Computer Systems Design Services
541513	Computer Facilities Management Services
541519	Other Computer Related Services
541611	Administrative Management and General Management Consulting Services
541612	Human Resources and Executive Search Consulting Services
541613	Marketing Consulting Services
541614	Process, Physical Distribution, and Logistics Consulting Services
541618	Other Management Consulting Services
541620	Environmental Consulting Services
541690	Other Scientific and Technical Consulting Services
541710	Research and Development in the Physical, Engineering, and Life Sciences
541720	Research and Development in the Social Sciences and Humanities
541810	Advertising Agencies
541820	Public Relations Agencies
541830	Media Buying Agencies
541840	Media Representatives
541850	Display Advertising
541860	Direct Mail Advertising
541870	Advertising Material Distribution Services
541890	Other Services Related to Advertising
541910	Marketing Research and Public Opinion Polling
541921	Photography Studios, Portrait
541922	Commercial Photography
541930	Translation and Interpretation Services
541940	Veterinary Services
541990	All Other Professional, Scientific, and Technical Services
551111	Offices of Bank Holding Companies
551112	Offices of Other Holding Companies
551114	Corporate, Subsidiary, and Regional Managing Offices
711510	Independent Artists, Writers, and Performers
927110	Space Research and Technology

# Appendix One: NAICS Codes in Each Cluster

## Construction/Deconstruction

NAICS	TITLE
236115	New Single-Family Housing Construction (except Operative Builders)
236116	New Multifamily Housing Construction (except Operative Builders)
236117	New Housing Operative Builders
236118	Residential Remodelers
236210	Industrial Building Construction
236220	Commercial and Institutional Building Construction
237110	Water and Sewer Line and Related Structures Construction
237120	Oil and Gas Pipeline and Related Structures Construction
237130	Power and Communication Line and Related Structures Construction
237210	Land Subdivision
237310	Highway, Street, and Bridge Construction
237990	Other Heavy and Civil Engineering Construction
238110	Poured Concrete Foundation and Structure Contractors
238120	Structural Steel and Precast Concrete Contractors
238130	Framing Contractors
238140	Masonry Contractors
238150	Glass and Glazing Contractors
238160	Roofing Contractors
238170	Siding Contractors
238190	Other Foundation, Structure, and Building Exterior Contractors
238210	Electrical Contractors
238220	Plumbing, Heating, and Air-Conditioning Contractors
238290	Other Building Equipment Contractors
238310	Drywall and Insulation Contractors
238320	Painting and Wall Covering Contractors
238330	Flooring Contractors
238340	Tile and Terrazzo Contractors
238350	Finish Carpentry Contractors
238390	Other Building Finishing Contractors
238910	Site Preparation Contractors
238990	All Other Specialty Trade Contractors
321991	Manufactured Home (Mobile Home) Manufacturing
321992	Prefabricated Wood Building Manufacturing
541310	Architectural Services
541320	Landscape Architectural Services
541330	Engineering Services
541340	Drafting Services
541350	Building Inspection Services
541360	Geophysical Surveying and Mapping Services
541370	Surveying and Mapping (except Geophysical) Services
541380	Testing Laboratories

# Appendix One: NAICS Codes in Each Cluster

## Advanced Transportation Manufacturing

NAICS	TITLE
335311	Power, Distribution, and Specialty Transformer Manufacturing
335312	Motor and Generator Manufacturing
335313	Switchgear and Switchboard Apparatus Manufacturing
335314	Relay and Industrial Control Manufacturing
335911	Storage Battery Manufacturing
335912	Primary Battery Manufacturing
335921	Fiber Optic Cable Manufacturing
335929	Other Communication and Energy Wire Manufacturing
335931	Current-Carrying Wiring Device Manufacturing
335932	Noncurrent-Carrying Wiring Device Manufacturing
335991	Carbon and Graphite Product Manufacturing
335999	All Other Miscellaneous Electrical Equipment and Component Manufacturing
336111	Automobile Manufacturing
336112	Light Truck and Utility Vehicle Manufacturing
336120	Heavy Duty Truck Manufacturing
336211	Motor Vehicle Body Manufacturing
336212	Truck Trailer Manufacturing
336213	Motor Home Manufacturing
336214	Travel Trailer and Camper Manufacturing
336411	Aircraft Manufacturing
336412	Aircraft Engine and Engine Parts Manufacturing
336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing
336414	Guided Missile and Space Vehicle Manufacturing
336415	Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing
336419	Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Manufacturing
336510	Railroad Rolling Stock Manufacturing
336611	Ship Building and Repairing
336612	Boat Building
336991	Motorcycle, Bicycle, and Parts Manufacturing
336992	Military Armored Vehicle, Tank, and Tank Component Manufacturing
336999	All Other Transportation Equipment Manufacturing

# Appendix One: NAICS Codes in Each Cluster

## Arts and Culture

NAICS	TITLE
512110	Motion Picture and Video Production
512120	Motion Picture and Video Distribution
512131	Motion Picture Theaters (except Drive-Ins)
512132	Drive-In Motion Picture Theaters
512191	Teleproduction and Other Postproduction Services
512199	Other Motion Picture and Video Industries
512210	Record Production
512220	Integrated Record Production/Distribution
512230	Music Publishers
512240	Sound Recording Studios
512290	Other Sound Recording Industries
711110	Theater Companies and Dinner Theaters
711120	Dance Companies
711130	Musical Groups and Artists
711190	Other Performing Arts Companies
711310	Promoters of Performing Arts, Sports, and Similar Events with Facilities
711320	Promoters of Performing Arts, Sports, and Similar Events without Facilities
711410	Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures
711510	Independent Artists, Writers, and Performers
712110	Museums
712120	Historical Sites
712130	Zoos and Botanical Gardens
712190	Nature Parks and Other Similar Institutions

# Appendix One: NAICS Codes in Each Cluster

## Advanced Waste Management NAICS Codes (Cont.)

NAICS	TITLE	NAICS	TITLE
237310	Highway, Street, and Bridge Construction		
		322225	Laminated Aluminum Foil Manufacturing for Flexible Packaging Uses
314911	Textile Bag Mills		
		322226	Surface-Coated Paperboard Manufacturing
314912	Canvas and Related Product Mills		
		322231	Die-Cut Paper and Paperboard Office Supplies Manufacturing
314991	Rope, Cordage, and Twine Mills		
		322232	Envelope Manufacturing
314992	Tire Cord and Tire Fabric Mills		
		322233	Stationery, Tablet, and Related Product Manufacturing
314999	All Other Miscellaneous Textile Product Mills		
		322291	Sanitary Paper Product Manufacturing
321113	Sawmills		
		322299	All Other Converted Paper Product Manufacturing
		325211	
321114	Wood Preservation		Plastics Material and Resin Manufacturing
322110	Pulp Mills		
		325212	Synthetic Rubber Manufacturing
322121	Paper (except Newsprint) Mills		
		325221	Cellulosic Organic Fiber Manufacturing
322122	Newsprint Mills		
		325222	Noncellulosic Organic Fiber Manufacturing
322130	Paperboard Mills		
		325910	Printing Ink Manufacturing
		325920	Explosives Manufacturing
322211	Corrugated and Solid Fiber Box Manufacturing		
		325991	Custom Compounding of Purchased Resins
322212	Folding Paperboard Box Manufacturing		
		325992	Photographic Film, Paper, Plate, and Chemical Manufacturing
322213	Setup Paperboard Box Manufacturing		
		325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing
322214	Fiber Can, Tube, Drum, and Similar Products Manufacturing		
		326111	Plastics Bag Manufacturing
322215	Nonfolding Sanitary Food Container Manufacturing		
		326112	Plastics Packaging Film and Sheet (including Laminated) Manufacturing
322221	Coated and Laminated Packaging Paper and Plastics Film Manufacturing		
		326113	Unlaminated Plastics Film and Sheet (except Packaging) Manufacturing
322222	Coated and Laminated Paper Manufacturing		
		326121	Unlaminated Plastics Profile Shape Manufacturing
322223	Plastics, Foil, and Coated Paper Bag Manufacturing		
		326122	Plastics Pipe and Pipe Fitting Manufacturing
322224	Uncoated Paper and Multiwall Bag Manufacturing		

# Appendix One: NAICS Codes in Each Cluster

## Advanced Waste Management NAICS Codes (Cont.)

NAICS	TITLE	NAICS	TITLE
326130	Laminated Plastics Plate, Sheet (except Packaging), and Shape Manufacturing	331111	Iron and Steel Mills
326140	Polystyrene Foam Product Manufacturing	331112	Electrometallurgical Ferroalloy Product Manufacturing
326150	Urethane and Other Foam Product (except Polystyrene) Manufacturing	331411	Primary Smelting and Refining of Copper
326160	Plastics Bottle Manufacturing	331419	Primary Smelting and Refining of Nonferrous Metal (except Copper and Aluminum)
326191	Plastics Plumbing Fixture Manufacturing	331421	Copper Rolling, Drawing, and Extruding
326192	Resilient Floor Covering Manufacturing	331422	Copper Wire (except Mechanical) Drawing
326199	All Other Plastics Product Manufacturing	331423	Secondary Smelting, Refining, and Alloying of Copper
326211	Tire Manufacturing (except Retreading)	331491	Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding
326212	Tire Retreading	331492	Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
326220	Rubber and Plastics Hoses and Belting Manufacturing	331511	Iron Foundries
326291	Rubber Product Manufacturing for Mechanical Use	331512	Steel Investment Foundries
326299	All Other Rubber Product Manufacturing	331513	Steel Foundries (except Investment)
327211	Flat Glass Manufacturing	331521	Aluminum Die-Casting Foundries
327212	Other Pressed and Blown Glass and Glassware Manufacturing	331522	Nonferrous (except Aluminum) Die-Casting Foundries
327213	Glass Container Manufacturing	331524	Aluminum Foundries (except Die-Casting)
327215	Glass Product Manufacturing Made of Purchased Glass	331525	Copper Foundries (except Die-Casting)
327310	Cement Manufacturing	331528	Other Nonferrous Foundries (except Die-Casting)
327320	Ready-Mix Concrete Manufacturing	333611	Turbine and Turbine Generator Set Units Manufacturing
327331	Concrete Block and Brick Manufacturing	333612	Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing
327332	Concrete Pipe Manufacturing	333613	Mechanical Power Transmission Equipment Manufacturing
327390	Other Concrete Product Manufacturing	333618	Other Engine Equipment Manufacturing

# Appendix One: NAICS Codes in Each Cluster

## Advanced Waste Management NAICS Codes (Cont.)

NAICS	TITLE	NAICS	TITLE
335110	Electric Lamp Bulb and Part Manufacturing	541611	Administrative Management and General Management Consulting Services
335121	Residential Electric Lighting Fixture Manufacturing	541612	Human Resources and Executive Search Consulting Services
335122	Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing	541613	Marketing Consulting Services
335129	Other Lighting Equipment Manufacturing	541614	Process, Physical Distribution, and Logistics Consulting Services
423310	Lumber, Plywood, Millwork, and Wood Panel Merchant Wholesalers	541618	Other Management Consulting Services
423320	Brick, Stone, and Related Construction Material Merchant Wholesalers	541620	Environmental Consulting Services
423330	Roofing, Siding, and Insulation Material Merchant Wholesalers	541690	Other Scientific and Technical Consulting Services
423390	Other Construction Material Merchant Wholesalers	562111	Solid Waste Collection
423910	Sporting and Recreational Goods and Supplies Merchant Wholesalers	562112	Hazardous Waste Collection
423920	Toy and Hobby Goods and Supplies Merchant Wholesalers	562119	Other Waste Collection
423930	Recyclable Material Merchant Wholesalers	562211	Hazardous Waste Treatment and Disposal
423940	Jewelry, Watch, Precious Stone, and Precious Metal Merchant Wholesalers	562212	Solid Waste Landfill
423990	Other Miscellaneous Durable Goods Merchant Wholesalers	562213	Solid Waste Combustors and Incinerators
541310	Architectural Services	562219	Other Nonhazardous Waste Treatment and Disposal
541320	Landscape Architectural Services	562910	Remediation Services
541330	Engineering Services	562920	Materials Recovery Facilities
541340	Drafting Services	562991	Septic Tank and Related Services
541350	Building Inspection Services	562998	All Other Miscellaneous Waste Management Services
541360	Geophysical Surveying and Mapping Services		
541370	Surveying and Mapping (except Geophysical) Services		
541380	Testing Laboratories		



# Appendix One: NAICS Codes in Each Cluster

## Fisheries and Freshwater Industries NAICS Codes

NAICS	TITLE	NAICS	TITLE
114111	Finfish Fishing	334518	Watch, Clock, and Part Manufacturing
114112	Shellfish Fishing	334519	Other Measuring and Controlling Device Manufacturing
114119	Other Marine Fishing	336611	Ship Building and Repairing
311711	Seafood Canning	336612	Boat Building
311712	Fresh and Frozen Seafood Processing	483111	Deep Sea Freight Transportation
332410	Power Boiler and Heat Exchanger Manufacturing	483112	Deep Sea Passenger Transportation
332420	Metal Tank (Heavy Gauge) Manufacturing	483113	Coastal and Great Lakes Freight Transportation
332431	Metal Can Manufacturing	483114	Coastal and Great Lakes Passenger Transportation
332439	Other Metal Container Manufacturing	483211	Inland Water Freight Transportation
333611	Turbine and Turbine Generator Set Units Manufacturing	483212	Inland Water Passenger Transportation
333612	Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing	487210	Scenic and Sightseeing Transportation, Water
333613	Mechanical Power Transmission Equipment Manufacturing	488310	Port and Harbor Operations
333618	Other Engine Equipment Manufacturing	488320	Marine Cargo Handling
334510	Electromedical and Electrotherapeutic Apparatus Manufacturing	488330	Navigational Services to Shipping
334511	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing	488390	Other Support Activities for Water Transportation
334512	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use	488510	Freight Transportation Arrangement
334513	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables		
334514	Totalizing Fluid Meter and Counting Device Manufacturing		
334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals		
334516	Analytical Laboratory Instrument Manufacturing		
334517	Irradiation Apparatus Manufacturing		

# Appendix One: NAICS Codes in Each Cluster

## Film NAICS Codes

NAICS	TITLE	NAICS	TITLE	NAICS	TITLE
236210	Industrial Building Construction	512110	Motion Picture and Video Production	541513	Computer Facilities Management Services
236220	Commercial and Institutional Building Construction	512120	Motion Picture and Video Distribution	541519	Other Computer Related Services
334210	Telephone Apparatus Manufacturing	512131	Motion Picture Theaters (except Drive-Ins)	541611	Administrative Management and General Management Consulting Services
334220	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing	512132	Drive-In Motion Picture Theaters	541612	Human Resources and Executive Search Consulting Services
334290	Other Communications Equipment Manufacturing	512191	Teleproduction and Other Postproduction Services	541613	Marketing Consulting Services
334310	Audio and Video Equipment Manufacturing	512199	Other Motion Picture and Video Industries	541614	Process, Physical Distribution, and Logistics Consulting Services
334611	Software Reproducing	512210	Record Production	541618	Other Management Consulting Services
334612	Prerecorded Compact Disc (except Software), Tape, and Record Reproducing	512220	Integrated Record Production/Distribution	541620	Environmental Consulting Services
334613	Magnetic and Optical Recording Media Manufacturing	512230	Music Publishers	541690	Other Scientific and Technical Consulting Services
335110	Electric Lamp Bulb and Part Manufacturing	512240	Sound Recording Studios	551111	Offices of Bank Holding Companies
335121	Residential Electric Lighting Fixture Manufacturing	512290	Other Sound Recording Industries	551112	Offices of Other Holding Companies
335122	Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing	515111	Radio Networks	551114	Corporate, Subsidiary, and Regional Managing Offices
335129	Other Lighting Equipment Manufacturing	515112	Radio Stations	561110	Office Administrative Services
423410	Photographic Equipment and Supplies Merchant Wholesalers	515120	Television Broadcasting	561310	Employment Placement Agencies
423420	Office Equipment Merchant Wholesalers	516110	Internet Publishing and Broadcasting	561320	Temporary Help Services
423430	Computer and Computer Peripheral Equipment and Software Merchant Wholesalers	541410	Interior Design Services	561330	Professional Employer Organizations
423440	Other Commercial Equipment Merchant Wholesalers	541420	Industrial Design Services	711110	Theater Companies and Dinner Theaters
423450	Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers	541430	Graphic Design Services	711120	Dance Companies
423460	Ophthalmic Goods Merchant Wholesalers	541490	Other Specialized Design Services	711130	Musical Groups and Artists
423490	Other Professional Equipment and Supplies Merchant Wholesalers	541511	Custom Computer Programming Services	711190	Other Performing Arts Companies
511210	Software Publishers	541512	Computer Systems Design Services	711410	Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures
				711510	Independent Artists, Writers, and Performers
				722310	Food Service Contractors
				722320	Caterers
				722330	Mobile Food Services

# Appendix One: NAICS Codes in Each Cluster

## Tourism NAICS Codes

NAICS	TITLE	NAICS	TITLE	NAICS	TITLE
423910	Sporting and Recreational Goods and Supplies Merchant Wholesalers	451130	Sewing, Needlework, and Piece Goods Stores	483212	Inland Water Passenger Transportation
423920	Toy and Hobby Goods and Supplies Merchant Wholesalers	451140	Musical Instrument and Supplies Stores	485111	Mixed Mode Transit Systems
423930	Recyclable Material Merchant Wholesalers	451211	Book Stores	485112	Commuter Rail Systems
423940	Jewelry, Watch, Precious Stone, and Precious Metal Merchant Wholesalers	451212	News Dealers and Newsstands	485113	Bus and Other Motor Vehicle Transit Systems
423990	Other Miscellaneous Durable Goods Merchant Wholesalers	451220	Prerecorded Tape, Compact Disc, and Record Stores	485119	Other Urban Transit Systems
445110	Supermarkets and Other Grocery (except Convenience) Stores	452111	Department Stores (except Discount Department Stores)	485210	Interurban and Rural Bus Transportation
445120	Convenience Stores	452112	Discount Department Stores	485310	Taxi Service
445310	Beer, Wine, and Liquor Stores	452910	Warehouse Clubs and Supercenters	485320	Limousine Service
447110	Gasoline Stations with Convenience Stores	452990	All Other General Merchandise Stores	485510	Charter Bus Industry
447190	Other Gasoline Stations	481111	Scheduled Passenger Air Transportation	485991	Special Needs Transportation
448110	Men's Clothing Stores	481112	Scheduled Freight Air Transportation	485999	All Other Transit and Ground Passenger Transportation
448120	Women's Clothing Stores	481211	Nonscheduled Chartered Passenger Air Transportation	487110	Scenic and Sightseeing Transportation, Land
448130	Children's and Infants' Clothing Stores	481212	Nonscheduled Chartered Freight Air Transportation	487210	Scenic and Sightseeing Transportation, Water
448140	Family Clothing Stores	481219	Other Nonscheduled Air Transportation	487990	Scenic and Sightseeing Transportation, Other
448150	Clothing Accessories Stores	482111	Line-Haul Railroads	512110	Motion Picture and Video Production
448190	Other Clothing Stores	482112	Short Line Railroads	512120	Motion Picture and Video Distribution
448210	Shoe Stores	483111	Deep Sea Freight Transportation	512131	Motion Picture Theaters (except Drive-Ins)
448310	Jewelry Stores	483112	Deep Sea Passenger Transportation	512132	Drive-In Motion Picture Theaters
448320	Luggage and Leather Goods Stores	483113	Coastal and Great Lakes Freight Transportation	512191	Teleproduction and Other Postproduction Services
451110	Sporting Goods Stores	483114	Coastal and Great Lakes Passenger Transportation	512199	Other Motion Picture and Video Industries
451120	Hobby, Toy, and Game Stores	483211	Inland Water Freight Transportation	532111	Passenger Car Rental

# Appendix One: NAICS Codes in Each Cluster

## Tourism NAICS Codes (Cont.)

NAICS	TITLE	NAICS	TITLE
532112	Passenger Car Leasing	713290	Other Gambling Industries
532120	Truck, Utility Trailer, and RV (Recreational Vehicle) Rental and Leasing	713910	Golf Courses and Country Clubs
561510	Travel Agencies	713920	Skiing Facilities
561520	Tour Operators	713930	Marinas
561591	Convention and Visitors Bureaus	713940	Fitness and Recreational Sports Centers
561599	All Other Travel Arrangement and Reservation Services	713950	Bowling Centers
711110	Theater Companies and Dinner Theaters	713990	All Other Amusement and Recreation Industries
711120	Dance Companies	721110	Hotels (except Casino Hotels) and Motels
711130	Musical Groups and Artists	721120	Casino Hotels
711190	Other Performing Arts Companies	721191	Bed-and-Breakfast Inns
711211	Sports Teams and Clubs	721199	All Other Traveler Accommodation
711212	Racetracks	721211	RV (Recreational Vehicle) Parks and Campgrounds
711219	Other Spectator Sports	721214	Recreational and Vacation Camps (except Campgrounds)
711510	Independent Artists, Writers, and Performers	721310	Rooming and Boarding Houses
712110	Museums	722110	Full-Service Restaurants
712120	Historical Sites	722211	Limited-Service Restaurants
712130	Zoos and Botanical Gardens	722212	Cafeterias
712190	Nature Parks and Other Similar Institutions	722213	Snack and Nonalcoholic Beverage Bars
713110	Amusement and Theme Parks	722310	Food Service Contractors
713120	Amusement Arcades	722320	Caterers
713210	Casinos (except Casino Hotels)	722330	Mobile Food Services
		722410	Drinking Places (Alcoholic Beverages)

# Appendix One: NAICS Codes in Each Cluster

## Defense and Security NAICS Codes

NAICS	TITLE	NAICS	TITLE
212210	Iron Ore Mining	332994	Small Arms Manufacturing
212221	Gold Ore Mining	332995	Other Ordnance and Accessories Manufacturing
212222	Silver Ore Mining	332996	Fabricated Pipe and Pipe Fitting Manufacturing
212231	Lead Ore and Zinc Ore Mining	332997	Industrial Pattern Manufacturing
212234	Copper Ore and Nickel Ore Mining	332998	Enameled Iron and Metal Sanitary Ware Manufacturing
212291	Uranium-Radium-Vanadium Ore Mining	332999	All Other Miscellaneous Fabricated Metal Product Manufacturing
212299	All Other Metal Ore Mining	334210	Telephone Apparatus Manufacturing
237110	Water and Sewer Line and Related Structures Construction	334220	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing
237120	Oil and Gas Pipeline and Related Structures Construction	334290	Other Communications Equipment Manufacturing
237130	Power and Communication Line and Related Structures Construction	334510	Electromedical and Electrotherapeutic Apparatus Manufacturing
325910	Printing Ink Manufacturing	334511	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing
325920	Explosives Manufacturing	334512	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use
325991	Custom Compounding of Purchased Resins	334513	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables
325992	Photographic Film, Paper, Plate, and Chemical Manufacturing	334514	Totalizing Fluid Meter and Counting Device Manufacturing
325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing	334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals
332911	Industrial Valve Manufacturing	334516	Analytical Laboratory Instrument Manufacturing
332912	Fluid Power Valve and Hose Fitting Manufacturing	334517	Irradiation Apparatus Manufacturing
332913	Plumbing Fixture Fitting and Trim Manufacturing	334518	Watch, Clock, and Part Manufacturing
332919	Other Metal Valve and Pipe Fitting Manufacturing	334519	Other Measuring and Controlling Device Manufacturing
332991	Ball and Roller Bearing Manufacturing	336411	Aircraft Manufacturing
332992	Small Arms Ammunition Manufacturing	336412	Aircraft Engine and Engine Parts Manufacturing
332993	Ammunition (except Small Arms) Manufacturing	336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing

# Appendix One: NAICS Codes in Each Cluster

## Defense and Security NAICS Codes (Cont.)

NAICS	TITLE	NAICS	TITLE	NAICS	TITLE
336414	Guided Missile and Space Vehicle Manufacturing	423850	Service Establishment Equipment and Supplies Merchant Wholesalers	922150	Parole Offices and Probation Offices
336415	Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing	423860	Transportation Equipment and Supplies (except Motor Vehicle) Merchant Wholesalers	922160	Fire Protection
336419	Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Manufacturing	541511	Custom Computer Programming Services	922190	Other Justice, Public Order, and Safety Activities
336611	Ship Building and Repairing	541512	Computer Systems Design Services	926110	Administration of General Economic Programs
336612	Boat Building	541513	Computer Facilities Management Services	926120	Regulation and Administration of Transportation Program
336991	Motorcycle, Bicycle, and Parts Manufacturing	541519	Other Computer Related Services	926130	Regulation and Administration of Communications, Electric, Gas, and Other Utilities
336992	Military Armored Vehicle, Tank, and Tank Component Manufacturing	541710	Research and Development in the Physical, Engineering, and Life Sciences	926140	Regulation of Agricultural Marketing and Commodities
336999	All Other Transportation Equipment Manufacturing	541720	Research and Development in the Social Sciences and Humanities	926150	Regulation, Licensing, and Inspection of Miscellaneous Commercial Sectors
339111	Laboratory Apparatus and Furniture Manufacturing	561611	Investigation Services	927110	Space Research and Technology
339112	Surgical and Medical Instrument Manufacturing	561612	Security Guards and Patrol Services	928110	National Security
339113	Surgical Appliance and Supplies Manufacturing	561613	Armored Car Services	928120	International Affairs
339114	Dental Equipment and Supplies Manufacturing	561621	Security Systems Services (except Locksmiths)		
339115	Ophthalmic Goods Manufacturing	561622	Locksmiths		
339116	Dental Laboratories	811411	Home and Garden Equipment Repair and Maintenance		
423110	Automobile and Other Motor Vehicle Merchant Wholesalers	811412	Appliance Repair and Maintenance		
423120	Motor Vehicle Supplies and New Parts Merchant Wholesalers	811420	Reupholstery and Furniture Repair		
423130	Tire and Tube Merchant Wholesalers	811430	Footwear and Leather Goods Repair		
423140	Motor Vehicle Parts (Used) Merchant Wholesalers	811490	Other Personal and Household Goods Repair and Maintenance		
423810	Construction and Mining (except Oil Well) Machinery and Equipment Merchant Wholesalers	922110	Courts		
423820	Farm and Garden Machinery and Equipment Merchant Wholesalers	922120	Police Protection		
423830	Industrial Machinery and Equipment Merchant Wholesalers	922130	Legal Counsel and Prosecution		
423840	Industrial Supplies Merchant Wholesalers	922140	Correctional Institutions		

# Appendix One: NAICS Codes in Each Cluster

## Finance and Insurance NAICS Codes

NAICS	TITLE	NAICS	TITLE	NAICS	TITLE
521110	Monetary Authorities-Central Bank	523930	Investment Advice	541213	Tax Preparation Services
522110	Commercial Banking	523991	Trust, Fiduciary, and Custody Activities	541213	Tax Preparation Services
522120	Savings Institutions	523999	Miscellaneous Financial Investment Activities	541214	Payroll Services
522130	Credit Unions	524113	Direct Life Insurance Carriers	541219	Other Accounting Services
522190	Other Depository Credit Intermediation	524114	Direct Health and Medical Insurance Carriers		
522210	Credit Card Issuing	524126	Direct Property and Casualty Insurance Carriers		
522220	Sales Financing	524127	Direct Title Insurance Carriers		
522291	Consumer Lending	524128	Other Direct Insurance (except Life, Health, and Medical) Carriers		
522292	Real Estate Credit	524130	Reinsurance Carriers		
522293	International Trade Financing	524210	Insurance Agencies and Brokerages		
522294	Secondary Market Financing	524291	Claims Adjusting		
522298	All Other Nondepository Credit Intermediation	524292	Third Party Administration of Insurance and Pension Funds		
522310	Mortgage and Nonmortgage Loan Brokers	524298	All Other Insurance Related Activities		
522320	Financial Transactions Processing, Reserve, and Clearinghouse Activities	525110	Pension Funds		
522390	Other Activities Related to Credit Intermediation	525120	Health and Welfare Funds		
523110	Investment Banking and Securities Dealing	525190	Other Insurance Funds		
523120	Securities Brokerage	525910	Open-End Investment Funds		
523130	Commodity Contracts Dealing	525920	Trusts, Estates, and Agency Accounts		
523140	Commodity Contracts Brokerage	525930	Real Estate Investment Trusts		
523210	Securities and Commodity Exchanges	525990	Other Financial Vehicles		
523910	Miscellaneous Intermediation	541211	Offices of Certified Public Accountants		
523920	Portfolio Management	541211	Offices of Certified Public Accountants		

# Appendix One: NAICS Codes in Each Cluster

## Supply Chain and Logistics NAICS Codes

NAICS	TITLE	NAICS	TITLE	NAICS	TITLE
481111	Scheduled Passenger Air Transportation	485119	Other Urban Transit Systems	532411	Commercial Air, Rail, and Water Transportation Equipment Rental and Leasing
481112	Scheduled Freight Air Transportation	486110	Pipeline Transportation of Crude Oil	532412	Construction, Mining, and Forestry Machinery and Equipment Rental and Leasing
481211	Nonscheduled Chartered Passenger Air Transportation	486210	Pipeline Transportation of Natural Gas	532420	Office Machinery and Equipment Rental and Leasing
481212	Nonscheduled Chartered Freight Air Transportation	486910	Pipeline Transportation of Refined Petroleum Products	532490	Other Commercial and Industrial Machinery and Equipment Rental and Leasing
481219	Other Nonscheduled Air Transportation	486990	All Other Pipeline Transportation	541511	Custom Computer Programming Services
482111	Line-Haul Railroads	488111	Air Traffic Control	541512	Computer Systems Design Services
482112	Short Line Railroads	488119	Other Airport Operations	541513	Computer Facilities Management Services
483111	Deep Sea Freight Transportation	488190	Other Support Activities for Air Transportation	541519	Other Computer Related Services
483112	Deep Sea Passenger Transportation	488210	Support Activities for Rail Transportation	541611	Administrative Management and General Management Consulting Services
483113	Coastal and Great Lakes Freight Transportation	488310	Port and Harbor Operations	541612	Human Resources and Executive Search Consulting Services
483114	Coastal and Great Lakes Passenger Transportation	488320	Marine Cargo Handling	541613	Marketing Consulting Services
483211	Inland Water Freight Transportation	488330	Navigational Services to Shipping	541614	Process, Physical Distribution, and Logistics Consulting Services
483212	Inland Water Passenger Transportation	488390	Other Support Activities for Water Transportation	541618	Other Management Consulting Services
484110	General Freight Trucking, Local	488410	Motor Vehicle Towing	541620	Environmental Consulting Services
484121	General Freight Trucking, Long-Distance, Truckload	488490	Other Support Activities for Road Transportation	541690	Other Scientific and Technical Consulting Services
484122	General Freight Trucking, Long-Distance, Less Than Truckload	488510	Freight Transportation Arrangement	561910	Packaging and Labeling Services
484210	Used Household and Office Goods Moving	488991	Packing and Crating	561920	Convention and Trade Show Organizers
484220	Specialized Freight (except Used Goods) Trucking, Local	488999	All Other Support Activities for Transportation	561990	All Other Support Services
484230	Specialized Freight (except Used Goods) Trucking, Long-Distance	493110	General Warehousing and Storage		
485111	Mixed Mode Transit Systems	493120	Refrigerated Warehousing and Storage		
485112	Commuter Rail Systems	493130	Farm Product Warehousing and Storage		
485113	Bus and Other Motor Vehicle Transit Systems	493190	Other Warehousing and Storage		



# Appendix One: NAICS Codes in Each Cluster

## Advanced and Flexible Manufacturing NAICS Codes

NAICS <sub>ca</sub>	TITLE	NAICS	TITLE
324110	Petroleum Refineries	325314	Fertilizer (Mixing Only) Manufacturing
324121	Asphalt Paving Mixture and Block Manufacturing	325320	Pesticide and Other Agricultural Chemical Manufacturing
324122	Asphalt Shingle and Coating Materials Manufacturing	325411	Medicinal and Botanical Manufacturing
324191	Petroleum Lubricating Oil and Grease Manufacturing	325412	Pharmaceutical Preparation Manufacturing
324199	All Other Petroleum and Coal Products Manufacturing	325413	In-Vitro Diagnostic Substance Manufacturing
325110	Petrochemical Manufacturing	325414	Biological Product (except Diagnostic) Manufacturing
325120	Industrial Gas Manufacturing	325510	Paint and Coating Manufacturing
325131	Inorganic Dye and Pigment Manufacturing	325520	Adhesive Manufacturing
325132	Synthetic Organic Dye and Pigment Manufacturing	325611	Soap and Other Detergent Manufacturing
325181	Alkalies and Chlorine Manufacturing	325612	Polish and Other Sanitation Good Manufacturing
325182	Carbon Black Manufacturing	325613	Surface Active Agent Manufacturing
325188	All Other Basic Inorganic Chemical Manufacturing	325620	Toilet Preparation Manufacturing
325191	Gum and Wood Chemical Manufacturing	325910	Printing Ink Manufacturing
325192	Cyclic Crude and Intermediate Manufacturing	325920	Explosives Manufacturing
325193	Ethyl Alcohol Manufacturing	325991	Custom Compounding of Purchased Resins
325199	All Other Basic Organic Chemical Manufacturing	325992	Photographic Film, Paper, Plate, and Chemical Manufacturing
325211	Plastics Material and Resin Manufacturing	325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing
325212	Synthetic Rubber Manufacturing	326111	Plastics Bag Manufacturing
325221	Cellulosic Organic Fiber Manufacturing	326112	Plastics Packaging Film and Sheet (including Laminated) Manufacturing
325222	Noncellulosic Organic Fiber Manufacturing	326113	Unlaminated Plastics Film and Sheet (except Packaging) Manufacturing
325311	Nitrogenous Fertilizer Manufacturing	326121	Unlaminated Plastics Profile Shape Manufacturing
325312	Phosphatic Fertilizer Manufacturing	326122	Plastics Pipe and Pipe Fitting Manufacturing

# Appendix One: NAICS Codes in Each Cluster

## Advanced and Flexible Manufacturing NAICS Codes (Cont.)

NAICS	TITLE	NAICS	TITLE
331522	Nonferrous (except Aluminum) Die-Casting Foundries	333294	Food Product Machinery Manufacturing
331524	Aluminum Foundries (except Die-Casting)	333295	Semiconductor Machinery Manufacturing
331525	Copper Foundries (except Die-Casting)	333298	All Other Industrial Machinery Manufacturing
331528	Other Nonferrous Foundries (except Die-Casting)	333511	Industrial Mold Manufacturing
332111	Iron and Steel Forging	333512	Machine Tool (Metal Cutting Types) Manufacturing
332112	Nonferrous Forging	333513	Machine Tool (Metal Forming Types) Manufacturing
332114	Custom Roll Forming	333514	Special Die and Tool, Die Set, Jig, and Fixture Manufacturing
332115	Crown and Closure Manufacturing	333515	Cutting Tool and Machine Tool Accessory Manufacturing
332116	Metal Stamping	333516	Rolling Mill Machinery and Equipment Manufacturing
332117	Powder Metallurgy Part Manufacturing	333518	Other Metalworking Machinery Manufacturing
332510	Hardware Manufacturing	333611	Turbine and Turbine Generator Set Units Manufacturing
332710	Machine Shops	333612	Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing
332721	Precision Turned Product Manufacturing	333613	Mechanical Power Transmission Equipment Manufacturing
332722	Bolt, Nut, Screw, Rivet, and Washer Manufacturing	333618	Other Engine Equipment Manufacturing
332811	Metal Heat Treating	333911	Pump and Pumping Equipment Manufacturing
332812	Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers	333912	Air and Gas Compressor Manufacturing
332813	Electroplating, Plating, Polishing, Anodizing, and Coloring	333913	Measuring and Dispensing Pump Manufacturing
333210	Sawmill and Woodworking Machinery Manufacturing	333921	Elevator and Moving Stairway Manufacturing
333220	Plastics and Rubber Industry Machinery Manufacturing	333922	Conveyor and Conveying Equipment Manufacturing
333291	Paper Industry Machinery Manufacturing	333923	Overhead Traveling Crane, Hoist, and Monorail System Manufacturing
333292	Textile Machinery Manufacturing	333924	Industrial Truck, Tractor, Trailer, and Stacker Machinery Manufacturing
333293	Printing Machinery and Equipment Manufacturing	333991	Power-Driven Handtool Manufacturing

# Appendix One: NAICS Codes in Each Cluster

## Advanced and Flexible Manufacturing NAICS Codes (Cont.)

NAICS	TITLE	NAICS	TITLE
333992	Welding and Soldering Equipment Manufacturing	334419	Other Electronic Component Manufacturing
333993	Packaging Machinery Manufacturing	334510	Electromedical and Electrotherapeutic Apparatus Manufacturing
333994	Industrial Process Furnace and Oven Manufacturing	334511	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing
333995	Fluid Power Cylinder and Actuator Manufacturing	334512	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use
333996	Fluid Power Pump and Motor Manufacturing	334513	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables
333997	Scale and Balance (except Laboratory) Manufacturing	334514	Totalizing Fluid Meter and Counting Device Manufacturing
333999	All Other Miscellaneous General Purpose Machinery Manufacturing	334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals
334111	Electronic Computer Manufacturing	334516	Analytical Laboratory Instrument Manufacturing
334112	Computer Storage Device Manufacturing	334517	Irradiation Apparatus Manufacturing
334113	Computer Terminal Manufacturing	334518	Watch, Clock, and Part Manufacturing
334119	Other Computer Peripheral Equipment Manufacturing	334519	Other Measuring and Controlling Device Manufacturing
334210	Telephone Apparatus Manufacturing	334611	Software Reproducing
334220	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing	334612	Prerecorded Compact Disc (except Software), Tape, and Record Reproducing
334290	Other Communications Equipment Manufacturing	334613	Magnetic and Optical Recording Media Manufacturing
334411	Electron Tube Manufacturing	335311	Power, Distribution, and Specialty Transformer Manufacturing
334412	Bare Printed Circuit Board Manufacturing	335312	Motor and Generator Manufacturing
334413	Semiconductor and Related Device Manufacturing	335313	Switchgear and Switchboard Apparatus Manufacturing
334414	Electronic Capacitor Manufacturing	335314	Relay and Industrial Control Manufacturing
334415	Electronic Resistor Manufacturing	335911	Storage Battery Manufacturing
334416	Electronic Coil, Transformer, and Other Inductor Manufacturing	335912	Primary Battery Manufacturing
334417	Electronic Connector Manufacturing	335921	Fiber Optic Cable Manufacturing
334418	Printed Circuit Assembly (Electronic Assembly) Manufacturing	335929	Other Communication and Energy Wire Manufacturing

# Appendix One: NAICS Codes in Each Cluster

## Advanced and Flexible Manufacturing NAICS Codes

NAICS	TITLE	NAICS	TITLE
326130	Laminated Plastics Plate, Sheet (except Packaging), and Shape Manufacturing	327213	Glass Container Manufacturing
326140	Polystyrene Foam Product Manufacturing	327215	Glass Product Manufacturing Made of Purchased Glass
326150	Urethane and Other Foam Product (except Polystyrene) Manufacturing	327910	Abrasive Product Manufacturing
326160	Plastics Bottle Manufacturing	327991	Cut Stone and Stone Product Manufacturing
326191	Plastics Plumbing Fixture Manufacturing	327992	Ground or Treated Mineral and Earth Manufacturing
326192	Resilient Floor Covering Manufacturing	327993	Mineral Wool Manufacturing
326199	All Other Plastics Product Manufacturing	327999	All Other Miscellaneous Nonmetallic Mineral Product Manufacturing
326211	Tire Manufacturing (except Retreading)	331111	Iron and Steel Mills
326212	Tire Retreading	331112	Electrometallurgical Ferroalloy Product Manufacturing
326220	Rubber and Plastics Hoses and Belting Manufacturing	331210	Iron and Steel Pipe and Tube Manufacturing from Purchased Steel
326291	Rubber Product Manufacturing for Mechanical Use	331221	Rolled Steel Shape Manufacturing
326299	All Other Rubber Product Manufacturing	331222	Steel Wire Drawing
327111	Vitreous China Plumbing Fixture and China and Earthenware Bathroom Accessories Manufacturing	331311	Alumina Refining
327112	Vitreous China, Fine Earthenware, and Other Pottery Product Manufacturing	331312	Primary Aluminum Production
327113	Porcelain Electrical Supply Manufacturing	331314	Secondary Smelting and Alloying of Aluminum
327121	Brick and Structural Clay Tile Manufacturing	331315	Aluminum Sheet, Plate, and Foil Manufacturing
327122	Ceramic Wall and Floor Tile Manufacturing	331316	Aluminum Extruded Product Manufacturing
327123	Other Structural Clay Product Manufacturing	331319	Other Aluminum Rolling and Drawing
327124	Clay Refractory Manufacturing	331511	Iron Foundries
327125	Nonclay Refractory Manufacturing	331512	Steel Investment Foundries
327211	Flat Glass Manufacturing	331513	Steel Foundries (except Investment)
327212	Other Pressed and Blown Glass and Glassware Manufacturing	331521	Aluminum Die-Casting Foundries

# Appendix One: NAICS Codes in Each Cluster

## Advanced and Flexible Manufacturing NAICS Codes (Cont.)

NAICS	TITLE	NAICS	TITLE
335931	Current-Carrying Wiring Device Manufacturing	541512	Computer Systems Design Services
335932	Noncurrent-Carrying Wiring Device Manufacturing	541513	Computer Facilities Management Services
335991	Carbon and Graphite Product Manufacturing	541519	Other Computer Related Services
335999	All Other Miscellaneous Electrical Equipment and Component Manufacturing		
336411	Aircraft Manufacturing		
336412	Aircraft Engine and Engine Parts Manufacturing		
336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing		
336414	Guided Missile and Space Vehicle Manufacturing		
336415	Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing		
336419	Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Manufacturing		
336991	Motorcycle, Bicycle, and Parts Manufacturing		
336992	Military Armored Vehicle, Tank, and Tank Component Manufacturing		
336999	All Other Transportation Equipment Manufacturing		
339111	Laboratory Apparatus and Furniture Manufacturing		
339112	Surgical and Medical Instrument Manufacturing		
339113	Surgical Appliance and Supplies Manufacturing		
339114	Dental Equipment and Supplies Manufacturing		
339115	Ophthalmic Goods Manufacturing		
339116	Dental Laboratories		
424610	Plastics Materials and Basic Forms and Shapes Merchant Wholesalers		
424690	Other Chemical and Allied Products Merchant Wholesalers		
541511	Custom Computer Programming Services		

# Appendix One: NAICS Codes in Each Cluster

## Robotics and Automation NAICS Codes

NAICS	TITLE	NAICS	TITLE
541310	Architectural Services	541690	Other Scientific and Technical Consulting Services
541320	Landscape Architectural Services	541710	Research and Development in the Physical, Engineering, and Life Sciences
541330	Engineering Services	541720	Research and Development in the Social Sciences and Humanities
541340	Drafting Services		
541350	Building Inspection Services		
541360	Geophysical Surveying and Mapping Services		
541370	Surveying and Mapping (except Geophysical) Services		
541380	Testing Laboratories		
541410	Interior Design Services		
541420	Industrial Design Services		
541430	Graphic Design Services		
541490	Other Specialized Design Services		
541511	Custom Computer Programming Services		
541512	Computer Systems Design Services		
541513	Computer Facilities Management Services		
541519	Other Computer Related Services		
541611	Administrative Management and General Management Consulting Services		
541612	Human Resources and Executive Search Consulting Services		
541613	Marketing Consulting Services		
541614	Process, Physical Distribution, and Logistics Consulting Services		
541618	Other Management Consulting Services		
541620	Environmental Consulting Services		

# Appendix One: NAICS Codes in Each Cluster

## Mining NAICS Codes

NAICS	TITLE	NAICS	TITLE
212111	Bituminous Coal and Lignite Surface Mining	213111	Drilling Oil and Gas Wells
212112	Bituminous Coal Underground Mining	213112	Support Activities for Oil and Gas Operations
212113	Anthracite Mining	213113	Support Activities for Coal Mining
212210	Iron Ore Mining	213114	Support Activities for Metal Mining
212221	Gold Ore Mining	213115	Support Activities for Nonmetallic Minerals (except Fuels) Mining
212222	Silver Ore Mining	482111	Line-Haul Railroads
212231	Lead Ore and Zinc Ore Mining	482112	Short Line Railroads
212234	Copper Ore and Nickel Ore Mining		
212291	Uranium-Radium-Vanadium Ore Mining		
212299	All Other Metal Ore Mining		
212311	Dimension Stone Mining and Quarrying		
212312	Crushed and Broken Limestone Mining and Quarrying		
212313	Crushed and Broken Granite Mining and Quarrying		
212319	Other Crushed and Broken Stone Mining and Quarrying		
212321	Construction Sand and Gravel Mining		
212322	Industrial Sand Mining		
212324	Kaolin and Ball Clay Mining		
212325	Clay and Ceramic and Refractory Minerals Mining		
212391	Potash, Soda, and Borate Mineral Mining		
212392	Phosphate Rock Mining		
212393	Other Chemical and Fertilizer Mineral Mining		
212399	All Other Nonmetallic Mineral Mining		

# Appendix One: NAICS Codes in Each Cluster

## Forestry and Wood Products NAICS Codes

NAICS	TITLE	NAICS	TITLE
113110	Timber Tract Operations	321992	Prefabricated Wood Building Manufacturing
113210	Forest Nurseries and Gathering of Forest Products	321999	All Other Miscellaneous Wood Product Manufacturing
113310	Logging	322110	Pulp Mills
115310	Support Activities for Forestry	322121	Paper (except Newsprint) Mills
238310	Drywall and Insulation Contractors	322122	Newsprint Mills
238320	Painting and Wall Covering Contractors	322130	Paperboard Mills
238330	Flooring Contractors	322211	Corrugated and Solid Fiber Box Manufacturing
238340	Tile and Terrazzo Contractors	322212	Folding Paperboard Box Manufacturing
238350	Finish Carpentry Contractors	322213	Setup Paperboard Box Manufacturing
238390	Other Building Finishing Contractors	322214	Fiber Can, Tube, Drum, and Similar Products Manufacturing
321113	Sawmills	322215	Nonfolding Sanitary Food Container Manufacturing
321114	Wood Preservation	322221	Coated and Laminated Packaging Paper and Plastics Film Manufacturing
321211	Hardwood Veneer and Plywood Manufacturing	322222	Coated and Laminated Paper Manufacturing
321212	Softwood Veneer and Plywood Manufacturing	322223	Plastics, Foil, and Coated Paper Bag Manufacturing
321213	Engineered Wood Member (except Truss) Manufacturing	322224	Uncoated Paper and Multiwall Bag Manufacturing
321214	Truss Manufacturing	322225	Laminated Aluminum Foil Manufacturing for Flexible Packaging Uses
321219	Reconstituted Wood Product Manufacturing	322226	Surface-Coated Paperboard Manufacturing
321911	Wood Window and Door Manufacturing	322231	Die-Cut Paper and Paperboard Office Supplies Manufacturing
321912	Cut Stock, Resawing Lumber, and Planing	322232	Envelope Manufacturing
321918	Other Millwork (including Flooring)	322233	Stationery, Tablet, and Related Product Manufacturing
321920	Wood Container and Pallet Manufacturing	322291	Sanitary Paper Product Manufacturing
321991	Manufactured Home (Mobile Home) Manufacturing	322299	All Other Converted Paper Product Manufacturing



# Appendix One: NAICS Codes in Each Cluster

## Forestry and Wood Products NAICS Codes (Cont.)

NAICS	TITLE	NAICS	TITLE	NAICS	TITLE
323110	Commercial Lithographic Printing	325199	All Other Basic Organic Chemical Manufacturing	337122	Nonupholstered Wood Household Furniture Manufacturing
323111	Commercial Gravure Printing	325510	Paint and Coating Manufacturing	337124	Metal Household Furniture Manufacturing
323112	Commercial Flexographic Printing	325520	Adhesive Manufacturing	337125	Household Furniture (except Wood and Metal) Manufacturing
323113	Commercial Screen Printing	327910	Abrasive Product Manufacturing	337127	Institutional Furniture Manufacturing
323114	Quick Printing	327991	Cut Stone and Stone Product Manufacturing	337129	Wood Television, Radio, and Sewing Machine Cabinet Manufacturing
323115	Digital Printing	327992	Ground or Treated Mineral and Earth Manufacturing	337211	Wood Office Furniture Manufacturing
323116	Manifold Business Forms Printing	327993	Mineral Wool Manufacturing	337212	Custom Architectural Woodwork and Millwork Manufacturing
323117	Books Printing	327999	All Other Miscellaneous Nonmetallic Mineral Product Manufacturing	337214	Office Furniture (except Wood) Manufacturing
323118	Blankbook, Looseleaf Binders, and Devices Manufacturing	332211	Cutlery and Flatware (except Precious) Manufacturing	337215	Showcase, Partition, Shelving, and Locker Manufacturing
323119	Other Commercial Printing	332212	Hand and Edge Tool Manufacturing	337910	Mattress Manufacturing
323121	Tradebinding and Related Work	332213	Saw Blade and Handsaw Manufacturing	337920	Blind and Shade Manufacturing
323122	Prepress Services	332214	Kitchen Utensil, Pot, and Pan Manufacturing	423210	Furniture Merchant Wholesalers
325110	Petrochemical Manufacturing	333210	Sawmill and Woodworking Machinery Manufacturing	423220	Home Furnishing Merchant Wholesalers
325120	Industrial Gas Manufacturing	333220	Plastics and Rubber Industry Machinery Manufacturing	423310	Lumber, Plywood, Millwork, and Wood Panel Merchant Wholesalers
325131	Inorganic Dye and Pigment Manufacturing	333291	Paper Industry Machinery Manufacturing	423320	Brick, Stone, and Related Construction Material Merchant Wholesalers
325132	Synthetic Organic Dye and Pigment Manufacturing	333292	Textile Machinery Manufacturing	423330	Roofing, Siding, and Insulation Material Merchant Wholesalers
325181	Alkalies and Chlorine Manufacturing	333293	Printing Machinery and Equipment Manufacturing	423390	Other Construction Material Merchant Wholesalers
325182	Carbon Black Manufacturing	333294	Food Product Machinery Manufacturing		
325188	All Other Basic Inorganic Chemical Manufacturing	333295	Semiconductor Machinery Manufacturing		
325191	Gum and Wood Chemical Manufacturing	333298	All Other Industrial Machinery Manufacturing		
325192	Cyclic Crude and Intermediate Manufacturing	337110	Wood Kitchen Cabinet and Countertop Manufacturing		
325193	Ethyl Alcohol Manufacturing	337121	Upholstered Household Furniture Manufacturing		

# Appendix One: NAICS Codes in Each Cluster

## Education and Knowledge Creation NAICS Codes

NAICS	TITLE	NAICS	TITLE
511110	Newspaper Publishers	611691	Exam Preparation and Tutoring
511120	Periodical Publishers	611692	Automobile Driving Schools
511130	Book Publishers	611699	All Other Miscellaneous Schools and Instruction
511140	Directory and Mailing List Publishers	611710	Educational Support Services
511191	Greeting Card Publishers		
511199	All Other Publishers		
516110	Internet Publishing and Broadcasting		
519110	News Syndicates		
519120	Libraries and Archives		
519190	All Other Information Services		
611210	Junior Colleges		
611310	Colleges, Universities, and Professional Schools		
611410	Business and Secretarial Schools		
611420	Computer Training		
611430	Professional and Management Development Training		
611511	Cosmetology and Barber Schools		
611512	Flight Training		
611513	Apprenticeship Training		
611519	Other Technical and Trade Schools		
611610	Fine Arts Schools		
611620	Sports and Recreation Instruction		
611630	Language Schools		

# Appendix One: NAICS Codes in Each Cluster

## Information Technology NAICS Codes

NAICS	TITLE	NAICS	TITLE
334111	Electronic Computer Manufacturing	334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals
334112	Computer Storage Device Manufacturing	334516	Analytical Laboratory Instrument Manufacturing
334113	Computer Terminal Manufacturing	334517	Irradiation Apparatus Manufacturing
334119	Other Computer Peripheral Equipment Manufacturing	334518	Watch, Clock, and Part Manufacturing
334210	Telephone Apparatus Manufacturing	334519	Other Measuring and Controlling Device Manufacturing
334220	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing	334611	Software Reproducing
334290	Other Communications Equipment Manufacturing	334612	Prerecorded Compact Disc (except Software), Tape, and Record Reproducing
334411	Electron Tube Manufacturing	334613	Magnetic and Optical Recording Media Manufacturing
334412	Bare Printed Circuit Board Manufacturing	335311	Power, Distribution, and Specialty Transformer Manufacturing
334413	Semiconductor and Related Device Manufacturing	335312	Motor and Generator Manufacturing
334414	Electronic Capacitor Manufacturing	335313	Switchgear and Switchboard Apparatus Manufacturing
334415	Electronic Resistor Manufacturing	335314	Relay and Industrial Control Manufacturing
334416	Electronic Coil, Transformer, and Other Inductor Manufacturing	335911	Storage Battery Manufacturing
334417	Electronic Connector Manufacturing	335912	Primary Battery Manufacturing
334418	Printed Circuit Assembly (Electronic Assembly) Manufacturing	335921	Fiber Optic Cable Manufacturing
334419	Other Electronic Component Manufacturing	335929	Other Communication and Energy Wire Manufacturing
334510	Electromedical and Electrotherapeutic Apparatus Manufacturing	335931	Current-Carrying Wiring Device Manufacturing
334511	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing	335932	Noncurrent-Carrying Wiring Device Manufacturing
334512	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use	335991	Carbon and Graphite Product Manufacturing
334513	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables	335999	All Other Miscellaneous Electrical Equipment and Component Manufacturing
334514	Totalizing Fluid Meter and Counting Device Manufacturing	423410	Photographic Equipment and Supplies Merchant Wholesalers

# Appendix One: NAICS Codes in Each Cluster

## Information Technology NAICS Codes (Cont.)

NAICS	TITLE	NAICS	TITLE	NAICS	TITLE
423420	Office Equipment Merchant Wholesalers	517410	Satellite Telecommunications	811219	Other Electronic and Precision Equipment Repair and Maintenance
423430	Computer and Computer Peripheral Equipment and Software Merchant Wholesalers	517510	Cable and Other Program Distribution	334310	Audio and Video Equipment Manufacturing
423440	Other Commercial Equipment Merchant Wholesalers	518111	Internet Service Providers	517910	Other Telecommunications
423450	Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers	518112	Web Search Portals	518210	Data Processing, Hosting, and Related Services
423460	Ophthalmic Goods Merchant Wholesalers	519110	News Syndicates		
423490	Other Professional Equipment and Supplies Merchant Wholesalers	519120	Libraries and Archives		
423610	Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesalers	519190	All Other Information Services		
423620	Electrical and Electronic Appliance, Television, and Radio Set Merchant Wholesalers	541410	Interior Design Services		
423690	Other Electronic Parts and Equipment Merchant Wholesalers	541420	Industrial Design Services		
425110	Business to Business Electronic Markets	541430	Graphic Design Services		
425120	Wholesale Trade Agents and Brokers	541490	Other Specialized Design Services		
511210	Software Publishers	541511	Custom Computer Programming Services		
515111	Radio Networks	541512	Computer Systems Design Services		
515112	Radio Stations	541513	Computer Facilities Management Services		
515120	Television Broadcasting	541519	Other Computer Related Services		
515210	Cable and Other Subscription Programming	611410	Business and Secretarial Schools		
516110	Internet Publishing and Broadcasting	611420	Computer Training		
517110	Wired Telecommunications Carriers	611430	Professional and Management Development Training		
517211	Paging	811211	Consumer Electronics Repair and Maintenance		
517212	Cellular and Other Wireless Telecommunications	811212	Computer and Office Machine Repair and Maintenance		
517310	Telecommunications Resellers	811213	Communication Equipment Repair and Maintenance		

# Appendix One: NAICS Codes in Each Cluster

## Aerospace NAICS Codes

NAICS	TITLE
334210	Telephone Apparatus Manufacturing
334220	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing
334290	Other Communications Equipment Manufacturing
334510	Electromedical and Electrotherapeutic Apparatus Manufacturing
334511	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing
334512	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use
334513	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables
334514	Totalizing Fluid Meter and Counting Device Manufacturing
334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals
334516	Analytical Laboratory Instrument Manufacturing
334517	Irradiation Apparatus Manufacturing
334518	Watch, Clock, and Part Manufacturing
334519	Other Measuring and Controlling Device Manufacturing
336411	Aircraft Manufacturing
336412	Aircraft Engine and Engine Parts Manufacturing
336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing
336414	Guided Missile and Space Vehicle Manufacturing
336415	Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing
336419	Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Manufacturing
488111	Air Traffic Control
488119	Other Airport Operations
488190	Other Support Activities for Air Transportation
541511	Custom Computer Programming Services
541512	Computer Systems Design Services
541513	Computer Facilities Management Services
541519	Other Computer Related Services
517410	Satellite Telecommunications
927110	Space Research and Technology

# Appendix One: NAICS Codes in Each Cluster

## Food Innovation NAICS Codes

NAICS	TITLE	NAICS	TITLE	NAICS	TITLE	NAICS	TITLE
311211	Flour Milling	311513	Cheese Manufacturing	312120	Breweries	333294	Food Product Machinery Manufacturing
311212	Rice Milling	311514	Dry, Condensed, and Evaporated Dairy Product Manufacturing	312130	Wineries	333295	Semiconductor Machinery Manufacturing
311213	Malt Manufacturing	311520	Ice Cream and Frozen Dessert Manufacturing	312140	Distilleries	333298	All Other Industrial Machinery Manufacturing
311221	Wet Corn Milling	311811	Retail Bakeries	325211	Plastics Material and Resin Manufacturing	424510	Grain and Field Bean Merchant Wholesalers
311222	Soybean Processing	311812	Commercial Bakeries	325212	Synthetic Rubber Manufacturing	424520	Livestock Merchant Wholesalers
311223	Other Oilseed Processing	311813	Frozen Cakes, Pies, and Other Pastries Manufacturing	325221	Cellulosic Organic Fiber Manufacturing	424590	Other Farm Product Raw Material Merchant Wholesalers
311225	Fats and Oils Refining and Blending	311821	Cookie and Cracker Manufacturing	325222	Noncellulosic Organic Fiber Manufacturing	424910	Farm Supplies Merchant Wholesalers
311230	Breakfast Cereal Manufacturing	311822	Flour Mixes and Dough Manufacturing from Purchased Flour	325311	Nitrogenous Fertilizer Manufacturing	424920	Book, Periodical, and Newspaper Merchant Wholesalers
311311	Sugarcane Mills	311823	Dry Pasta Manufacturing	325312	Phosphatic Fertilizer Manufacturing	424930	Flower, Nursery Stock, and Florists' Supplies Merchant Wholesalers
311312	Cane Sugar Refining	311830	Tortilla Manufacturing	325314	Fertilizer (Mixing Only) Manufacturing	424940	Tobacco and Tobacco Product Merchant Wholesalers
311313	Beet Sugar Manufacturing	311911	Roasted Nuts and Peanut Butter Manufacturing	325320	Pesticide and Other Agricultural Chemical Manufacturing	424950	Paint, Varnish, and Supplies Merchant Wholesalers
311320	Chocolate and Confectionery Manufacturing from Cacao Beans	311919	Other Snack Food Manufacturing	333111	Farm Machinery and Equipment Manufacturing	424990	Other Miscellaneous Nondurable Goods Merchant Wholesalers
311330	Confectionery Manufacturing from Purchased Chocolate	311920	Coffee and Tea Manufacturing	333112	Lawn and Garden Tractor and Home Lawn and Garden Equipment Manufacturing		
311340	Nonchocolate Confectionery Manufacturing	311930	Flavoring Syrup and Concentrate Manufacturing	333120	Construction Machinery Manufacturing		
311411	Frozen Fruit, Juice, and Vegetable Manufacturing	311941	Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing	333131	Mining Machinery and Equipment Manufacturing		
311412	Frozen Specialty Food Manufacturing	311942	Spice and Extract Manufacturing	333132	Oil and Gas Field Machinery and Equipment Manufacturing		
311421	Fruit and Vegetable Canning	311991	Perishable Prepared Food Manufacturing	333210	Sawmill and Woodworking Machinery Manufacturing		
311422	Specialty Canning	311999	All Other Miscellaneous Food Manufacturing	333220	Plastics and Rubber Industry Machinery Manufacturing		
311423	Dried and Dehydrated Food Manufacturing	312111	Soft Drink Manufacturing	333291	Paper Industry Machinery Manufacturing		
311511	Fluid Milk Manufacturing	312112	Bottled Water Manufacturing	333292	Textile Machinery Manufacturing		
311512	Creamery Butter Manufacturing	312113	Ice Manufacturing	333293	Printing Machinery and Equipment Manufacturing		

# Appendix One: NAICS Codes in Each Cluster

## Energy NAICS Codes

NAICS	TITLE	Sub cluster	NAICS	TITLE	Sub cluster
111110	Soybean Farming	Biomass	213112	Support Activities for Oil and Gas Operations	Biomass/Storage
111120	Oilseed (except Soybean) Farming	Biomass	213113	Support Activities for Coal Mining	Biomass/Storage
111130	Dry Pea and Bean Farming	Biomass	213114	Support Activities for Metal Mining	Biomass/Storage
111140	Wheat Farming	Biomass	213115	Support Activities for Nonmetallic Minerals (except Fuels) Mining	Biomass/Storage
111150	Corn Farming	Biomass	221111	Hydroelectric Power Generation	Solar/Wind/Storage
111160	Rice Farming	Biomass	221112	Fossil Fuel Electric Power Generation	Solar/Wind/Storage
111191	Oilseed and Grain Combination Farming	Biomass	221113	Nuclear Electric Power Generation	Solar/Wind/Storage
111199	All Other Grain Farming	Biomass	221119	Other Electric Power Generation	Solar/Wind/Storage
212311	Dimension Stone Mining and Quarrying	Storage	221121	Electric Bulk Power Transmission and Control	Solar/Wind/Storage
212312	Crushed and Broken Limestone Mining and Quarrying	Storage	221122	Electric Power Distribution	Solar/Wind/Storage
212313	Crushed and Broken Granite Mining and Quarrying	Storage	237110	Water and Sewer Line and Related Structures Construction	Solar/Wind/Storage
212319	Other Crushed and Broken Stone Mining and Quarrying	Storage	237120	Oil and Gas Pipeline and Related Structures Construction	Solar/Wind/Storage
212321	Construction Sand and Gravel Mining	Storage	237130	Power and Communication Line and Related Structures Construction	Solar/Wind/Storage
212322	Industrial Sand Mining	Storage	237990	Other Heavy and Civil Engineering Construction	Storage
212324	Kaolin and Ball Clay Mining	Storage	238210	Electrical Contractors	Storage
212325	Clay and Ceramic and Refractory Minerals Mining	Storage	238220	Plumbing, Heating, and Air-Conditioning Contractors	Storage
212391	Potash, Soda, and Borate Mineral Mining	Storage	238290	Other Building Equipment Contractors	Storage
212392	Phosphate Rock Mining	Storage	325110	Petrochemical Manufacturing	Storage/Biomass
212393	Other Chemical and Fertilizer Mineral Mining	Storage	325120	Industrial Gas Manufacturing	Storage/Biomass
212399	All Other Nonmetallic Mineral Mining	Storage	325131	Inorganic Dye and Pigment Manufacturing	Storage/Biomass
213111	Drilling Oil and Gas Wells	Biomass/Storage	325132	Synthetic Organic Dye and Pigment Manufacturing	Storage/Biomass

# Appendix One: NAICS Codes in Each Cluster

## Energy NAICS Codes (Cont.)

NAICS	TITLE	Sub cluster	NAICS	TITLE	Sub cluster
325181	Alkalies and Chlorine Manufacturing	Storage/Biomass	326140	Polystyrene Foam Product Manufacturing	Solar
325182	Carbon Black Manufacturing	Storage/Biomass	326150	Urethane and Other Foam Product (except Polystyrene) Manufacturing	Solar
325188	All Other Basic Inorganic Chemical Manufacturing	Storage/Biomass	326160	Plastics Bottle Manufacturing	Solar
325191	Gum and Wood Chemical Manufacturing	Storage/Biomass	326191	Plastics Plumbing Fixture Manufacturing	Solar
325192	Cyclic Crude and Intermediate Manufacturing	Storage/Biomass	326192	Resilient Floor Covering Manufacturing	Solar
325193	Ethyl Alcohol Manufacturing	Storage/Biomass	326199	All Other Plastics Product Manufacturing	Solar
325199	All Other Basic Organic Chemical Manufacturing	Storage/Biomass	327111	Vitreous China Plumbing Fixture and China and Earthenware Bathroom Accessories Manufacturing	Solar
325211	Plastics Material and Resin Manufacturing	Biomass	327112	Vitreous China, Fine Earthenware, and Other Pottery Product Manufacturing	Solar
325212	Synthetic Rubber Manufacturing	Biomass	327113	Porcelain Electrical Supply Manufacturing	Solar
325221	Cellulosic Organic Fiber Manufacturing	Biomass	327121	Brick and Structural Clay Tile Manufacturing	Solar
325222	Noncellulosic Organic Fiber Manufacturing	Biomass	327122	Ceramic Wall and Floor Tile Manufacturing	Solar
325411	Medicinal and Botanical Manufacturing	Biomass	327123	Other Structural Clay Product Manufacturing	Solar
325412	Pharmaceutical Preparation Manufacturing	Biomass	327124	Clay Refractory Manufacturing	Solar
325413	In-Vitro Diagnostic Substance Manufacturing	Biomass	327125	Nonclay Refractory Manufacturing	Solar
325414	Biological Product (except Diagnostic) Manufacturing	Biomass	331111	Iron and Steel Mills	Wind
326111	Plastics Bag Manufacturing	Solar	331112	Electrometallurgical Ferroalloy Product Manufacturing	Wind
326112	Plastics Packaging Film and Sheet (including Laminated) Manufacturing	Solar	331311	Alumina Refining	Wind/Solar
326113	Unlaminated Plastics Film and Sheet (except Packaging) Manufacturing	Solar	331312	Primary Aluminum Production	Wind/Solar
326121	Unlaminated Plastics Profile Shape Manufacturing	Solar	331314	Secondary Smelting and Alloying of Aluminum	Wind/Solar
326122	Plastics Pipe and Pipe Fitting Manufacturing	Solar	331315	Aluminum Sheet, Plate, and Foil Manufacturing	Wind/Solar
326130	Laminated Plastics Plate, Sheet (except Packaging), and Shape Manufacturing	Solar	331316	Aluminum Extruded Product Manufacturing	Wind/Solar



# Appendix One: NAICS Codes in Each Cluster

## Energy NAICS Codes (Cont.)

NAICS	TITLE	Sub cluster	NAICS	TITLE	Sub cluster
331319	Other Aluminum Rolling and Drawing	Wind/Solar	332117	Powder Metallurgy Part Manufacturing	Wind/Solar/Storage
331411	Primary Smelting and Refining of Copper	Wind/Solar/Storage	332311	Prefabricated Metal Building and Component Manufacturing	Wind/Solar
331419	Primary Smelting and Refining of Nonferrous Metal (except Copper and Aluminum)	Wind/Solar/Storage	332312	Fabricated Structural Metal Manufacturing	Wind/Solar
331421	Copper Rolling, Drawing, and Extruding	Wind/Solar/Storage	332313	Plate Work Manufacturing	Wind/Solar
331422	Copper Wire (except Mechanical) Drawing	Wind/Solar/Storage	332321	Metal Window and Door Manufacturing	Wind/Solar
331423	Secondary Smelting, Refining, and Alloying of Copper	Wind/Solar/Storage	332322	Sheet Metal Work Manufacturing	Wind/Solar
331491	Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding	Wind/Solar/Storage	332323	Ornamental and Architectural Metal Work Manufacturing	Wind/Solar
331492	Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)	Wind/Solar/Storage	332410	Power Boiler and Heat Exchanger Manufacturing	Storage
331511	Iron Foundries	Wind/Solar	332420	Metal Tank (Heavy Gauge) Manufacturing	Storage
331512	Steel Investment Foundries	Wind/Solar	332431	Metal Can Manufacturing	Storage
331513	Steel Foundries (except Investment)	Wind/Solar	332439	Other Metal Container Manufacturing	Storage
331521	Aluminum Die-Casting Foundries	Wind/Solar	332710	Machine Shops	Biomass/Wind/Solar
331522	Nonferrous (except Aluminum) Die-Casting Foundries	Wind/Solar	332721	Precision Turned Product Manufacturing	Biomass/Wind/Solar
331524	Aluminum Foundries (except Die-Casting)	Wind/Solar	332722	Bolt, Nut, Screw, Rivet, and Washer Manufacturing	Biomass/Wind/Solar
331525	Copper Foundries (except Die-Casting)	Wind/Solar	332911	Industrial Valve Manufacturing	Biomass/Wind/Solar
331528	Other Nonferrous Foundries (except Die-Casting)	Wind/Solar	332912	Fluid Power Valve and Hose Fitting Manufacturing	Biomass/Wind/Solar
332111	Iron and Steel Forging	Wind/Solar/Storage	332913	Plumbing Fixture Fitting and Trim Manufacturing	Biomass/Wind/Solar
332112	Nonferrous Forging	Wind/Solar/Storage	332919	Other Metal Valve and Pipe Fitting Manufacturing	Biomass/Wind/Solar
332114	Custom Roll Forming	Wind/Solar/Storage	332991	Ball and Roller Bearing Manufacturing	Biomass/Wind/Solar
332115	Crown and Closure Manufacturing	Wind/Solar/Storage	332992	Small Arms Ammunition Manufacturing	Biomass/Wind/Solar
332116	Metal Stamping	Wind/Solar/Storage	332993	Ammunition (except Small Arms) Manufacturing	Biomass/Wind/Solar

# Appendix One: NAICS Codes in Each Cluster

## Energy NAICS Codes (Cont.)

NAICS	TITLE	Sub cluster	NAICS	TITLE	Sub cluster
332994	Small Arms Manufacturing	Biomass/Wind/Solar	333991	Power-Driven Handtool Manufacturing	Biomass/Solar
332995	Other Ordnance and Accessories Manufacturing	Biomass/Wind/Solar	333992	Welding and Soldering Equipment Manufacturing	Biomass/Solar
332996	Fabricated Pipe and Pipe Fitting Manufacturing	Biomass/Wind/Solar	333993	Packaging Machinery Manufacturing	Biomass/Solar
332997	Industrial Pattern Manufacturing	Biomass/Wind/Solar	333994	Industrial Process Furnace and Oven Manufacturing	Biomass/Solar
332998	Enameled Iron and Metal Sanitary Ware Manufacturing	Biomass/Wind/Solar	333995	Fluid Power Cylinder and Actuator Manufacturing	Biomass/Solar
332999	All Other Miscellaneous Fabricated Metal Product Manufacturing	Biomass/Wind/Solar	333996	Fluid Power Pump and Motor Manufacturing	Biomass/Solar
333411	Air Purification Equipment Manufacturing	Wind/Solar/Storage	333997	Scale and Balance (except Laboratory) Manufacturing	Biomass/Solar
333412	Industrial and Commercial Fan and Blower Manufacturing	Wind/Solar/Storage	333999	All Other Miscellaneous General Purpose Machinery Manufacturing	Biomass/Solar
333414	Heating Equipment (except Warm Air Furnaces) Manufacturing	Wind/Solar/Storage	334411	Electron Tube Manufacturing	Biomass/Wind/Solar/Storage
333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing	Wind/Solar/Storage	334412	Bare Printed Circuit Board Manufacturing	Biomass/Wind/Solar/Storage
333611	Turbine and Turbine Generator Set Units Manufacturing	Wind	334413	Semiconductor and Related Device Manufacturing	Biomass/Wind/Solar/Storage
333612	Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing	Wind	334414	Electronic Capacitor Manufacturing	Biomass/Wind/Solar/Storage
333613	Mechanical Power Transmission Equipment Manufacturing	Wind	334415	Electronic Resistor Manufacturing	Biomass/Wind/Solar/Storage
333618	Other Engine Equipment Manufacturing	Wind	334416	Electronic Coil, Transformer, and Other Inductor Manufacturing	Biomass/Wind/Solar/Storage
333911	Pump and Pumping Equipment Manufacturing	Biomass/Solar	334417	Electronic Connector Manufacturing	Biomass/Wind/Solar/Storage
333912	Air and Gas Compressor Manufacturing	Biomass/Solar	334418	Printed Circuit Assembly (Electronic Assembly) Manufacturing	Biomass/Wind/Solar/Storage
333913	Measuring and Dispensing Pump Manufacturing	Biomass/Solar	334419	Other Electronic Component Manufacturing	Biomass/Wind/Solar/Storage
333921	Elevator and Moving Stairway Manufacturing	Biomass/Solar	334510	Electromedical and Electrotherapeutic Apparatus Manufacturing	Biomass/Wind/Solar/Storage
333922	Conveyor and Conveying Equipment Manufacturing	Biomass/Solar	334511	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing	Biomass/Wind/Solar/Storage
333923	Overhead Traveling Crane, Hoist, and Monorail System Manufacturing	Biomass/Solar	334512	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use	Biomass/Wind/Solar/Storage
333924	Industrial Truck, Tractor, Trailer, and Stacker Machinery Manufacturing	Biomass/Solar	334513	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables	Biomass/Wind/Solar/Storage

# Appendix One: NAICS Codes in Each Cluster

## Energy NAICS Codes (Cont.)

NAICS	TITLE	Sub cluster	NAICS	TITLE	Sub cluster
334514	Totalizing Fluid Meter and Counting Device Manufacturing	Biomass/Wind/Solar/Storage	336414	Guided Missile and Space Vehicle Manufacturing	Wind
334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals	Biomass/Wind/Solar/Storage	336415	Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing	Wind
334516	Analytical Laboratory Instrument Manufacturing	Biomass/Wind/Solar/Storage	336419	Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Manufacturing	Wind
334517	Irradiation Apparatus Manufacturing	Biomass/Wind/Solar/Storage	423610	Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesalers	Wind/Solar/Storage
334518	Watch, Clock, and Part Manufacturing	Biomass/Wind/Solar/Storage	423620	Electrical and Electronic Appliance, Television, and Radio Set Merchant Wholesalers	Wind/Solar/Storage
334519	Other Measuring and Controlling Device Manufacturing	Biomass/Wind/Solar/Storage	423690	Other Electronic Parts and Equipment Merchant Wholesalers	Wind/Solar/Storage
335311	Power, Distribution, and Specialty Transformer Manufacturing	Biomass/Wind/Solar/Storage	423710	Hardware Merchant Wholesalers	Wind/Solar/Storage
335312	Motor and Generator Manufacturing	Biomass/Wind/Solar/Storage	423720	Plumbing and Heating Equipment and Supplies (Hydronics) Merchant Wholesalers	Wind/Solar/Storage
335313	Switchgear and Switchboard Apparatus Manufacturing	Biomass/Wind/Solar/Storage	423730	Warm Air Heating and Air-Conditioning Equipment and Supplies Merchant Wholesalers	Wind/Solar/Storage
335314	Relay and Industrial Control Manufacturing	Biomass/Wind/Solar/Storage	423740	Refrigeration Equipment and Supplies Merchant Wholesalers	Wind/Solar/Storage
335911	Storage Battery Manufacturing	Biomass/Wind/Solar/Storage	541310	Architectural Services	Biomass/Wind/Solar/Storage
335912	Primary Battery Manufacturing	Biomass/Wind/Solar/Storage	541320	Landscape Architectural Services	Biomass/Wind/Solar/Storage
335921	Fiber Optic Cable Manufacturing	Biomass/Wind/Solar/Storage	541330	Engineering Services	Biomass/Wind/Solar/Storage
335929	Other Communication and Energy Wire Manufacturing	Biomass/Wind/Solar/Storage	541340	Drafting Services	Biomass/Wind/Solar/Storage
335931	Current-Carrying Wiring Device Manufacturing	Biomass/Wind/Solar/Storage	541350	Building Inspection Services	Biomass/Wind/Solar/Storage
335932	Noncurrent-Carrying Wiring Device Manufacturing	Biomass/Wind/Solar/Storage	541360	Geophysical Surveying and Mapping Services	Biomass/Wind/Solar/Storage
335991	Carbon and Graphite Product Manufacturing	Biomass/Wind/Solar/Storage	541370	Surveying and Mapping (except Geophysical) Services	Biomass/Wind/Solar/Storage
335999	All Other Miscellaneous Electrical Equipment and Component Manufacturing	Biomass/Wind/Solar/Storage	541380	Testing Laboratories	Biomass/Wind/Solar/Storage
336411	Aircraft Manufacturing	Wind	541611	Administrative Management and General Management Consulting Services	Biomass/Wind/Solar/Storage
336412	Aircraft Engine and Engine Parts Manufacturing	Wind	541612	Human Resources and Executive Search Consulting Services	Biomass/Wind/Solar/Storage
336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing	Wind	541613	Marketing Consulting Services	Biomass/Wind/Solar/Storage

# Appendix One: NAICS Codes in Each Cluster

## Energy NAICS Codes (Cont.)

NAICS	TITLE	Sub cluster
541614	Process, Physical Distribution, and Logistics Consulting Services	Biomass/Wind/Solar/Storage
541618	Other Management Consulting Services	Biomass/Wind/Solar/Storage
541620	Environmental Consulting Services	Biomass/Wind/Solar/Storage
541690	Other Scientific and Technical Consulting Services	Biomass/Wind/Solar/Storage

# Appendix One: NAICS Codes in Each Cluster

## Environmental Technology NAICS Codes

NAICS	TITLE	NAICS	TITLE	NAICS	TITLE
237110	Water and Sewer Line and Related Structures Construction	334511	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing	541330	Engineering Services
237120	Oil and Gas Pipeline and Related Structures Construction	334512	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use	541340	Drafting Services
237130	Power and Communication Line and Related Structures Construction	334513	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables	541350	Building Inspection Services
333411	Air Purification Equipment Manufacturing	334514	Totalizing Fluid Meter and Counting Device Manufacturing	541360	Geophysical Surveying and Mapping Services
333412	Industrial and Commercial Fan and Blower Manufacturing	334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals	541370	Surveying and Mapping (except Geophysical) Services
333414	Heating Equipment (except Warm Air Furnaces) Manufacturing	334516	Analytical Laboratory Instrument Manufacturing	541380	Testing Laboratories
333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing	334517	Irradiation Apparatus Manufacturing	541611	Administrative Management and General Management Consulting Services
333611	Turbine and Turbine Generator Set Units Manufacturing	334518	Watch, Clock, and Part Manufacturing	541612	Human Resources and Executive Search Consulting Services
333612	Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing	334519	Other Measuring and Controlling Device Manufacturing	541613	Marketing Consulting Services
333613	Mechanical Power Transmission Equipment Manufacturing	423810	Construction and Mining (except Oil Well) Machinery and Equipment Merchant Wholesalers	541614	Process, Physical Distribution, and Logistics Consulting Services
333618	Other Engine Equipment Manufacturing	423820	Farm and Garden Machinery and Equipment Merchant Wholesalers	541618	Other Management Consulting Services
334411	Electron Tube Manufacturing	423830	Industrial Machinery and Equipment Merchant Wholesalers	541620	Environmental Consulting Services
334412	Bare Printed Circuit Board Manufacturing	423840	Industrial Supplies Merchant Wholesalers	541690	Other Scientific and Technical Consulting Services
334413	Semiconductor and Related Device Manufacturing	423850	Service Establishment Equipment and Supplies Merchant Wholesalers	541710	Research and Development in the Physical, Engineering, and Life Sciences
334414	Electronic Capacitor Manufacturing	423860	Transportation Equipment and Supplies (except Motor Vehicle) Merchant Wholesalers	541720	Research and Development in the Social Sciences and Humanities
334415	Electronic Resistor Manufacturing	522110	Commercial Banking	562910	Remediation Services
334416	Electronic Coil, Transformer, and Other Inductor Manufacturing	522120	Savings Institutions	562920	Materials Recovery Facilities
334417	Electronic Connector Manufacturing	522130	Credit Unions	562991	Septic Tank and Related Services
334418	Printed Circuit Assembly (Electronic Assembly) Manufacturing	522190	Other Depository Credit Intermediation	562998	All Other Miscellaneous Waste Management Services
334419	Other Electronic Component Manufacturing	541310	Architectural Services		
334510	Electromedical and Electrotherapeutic Apparatus Manufacturing	541320	Landscape Architectural Services		

# Appendix One: NAICS Codes in Each Cluster

## Life Sciences NAICS Codes

NAICS	TITLE	NAICS	TITLE	NAICS	TITLE	NAICS	TITLE
325110	Petrochemical Manufacturing	334514	Totalizing Fluid Meter and Counting Device Manufacturing	446120	Cosmetics, Beauty Supplies, and Perfume Stores	621310	Offices of Chiropractors
325120	Industrial Gas Manufacturing	334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals	446130	Optical Goods Stores	621320	Offices of Optometrists
325131	Inorganic Dye and Pigment Manufacturing	334516	Analytical Laboratory Instrument Manufacturing	446191	Food (Health) Supplement Stores	621330	Offices of Mental Health Practitioners (except Physicians)
325132	Synthetic Organic Dye and Pigment Manufacturing	334517	Irradiation Apparatus Manufacturing	446199	All Other Health and Personal Care Stores	621340	Offices of Physical, Occupational and Speech Therapists, and Audiologists
325181	Alkalies and Chlorine Manufacturing	334518	Watch, Clock, and Part Manufacturing	524113	Direct Life Insurance Carriers	621391	Offices of Podiatrists
325182	Carbon Black Manufacturing	334519	Other Measuring and Controlling Device Manufacturing	524114	Direct Health and Medical Insurance Carriers	621399	Offices of All Other Miscellaneous Health Practitioners
325188	All Other Basic Inorganic Chemical Manufacturing	339111	Laboratory Apparatus and Furniture Manufacturing	524126	Direct Property and Casualty Insurance Carriers	621410	Family Planning Centers
325191	Gum and Wood Chemical Manufacturing	339112	Surgical and Medical Instrument Manufacturing	524127	Direct Title Insurance Carriers	621420	Outpatient Mental Health and Substance Abuse Centers
325192	Cyclic Crude and Intermediate Manufacturing	339113	Surgical Appliance and Supplies Manufacturing	524128	Other Direct Insurance (except Life, Health, and Medical) Carriers	621491	HMO Medical Centers
325193	Ethyl Alcohol Manufacturing	339114	Dental Equipment and Supplies Manufacturing	524130	Reinsurance Carriers	621492	Kidney Dialysis Centers
325199	All Other Basic Organic Chemical Manufacturing	339115	Ophthalmic Goods Manufacturing	541310	Architectural Services	621493	Freestanding Ambulatory Surgical and Emergency Centers
325311	Nitrogenous Fertilizer Manufacturing	339116	Dental Laboratories	541320	Landscape Architectural Services	621498	All Other Outpatient Care Centers
325312	Phosphatic Fertilizer Manufacturing	423410	Photographic Equipment and Supplies Merchant Wholesalers	541330	Engineering Services	621511	Medical Laboratories
325314	Fertilizer (Mixing Only) Manufacturing	423420	Office Equipment Merchant Wholesalers	541340	Drafting Services	621512	Diagnostic Imaging Centers
325320	Pesticide and Other Agricultural Chemical Manufacturing	423430	Computer and Computer Peripheral Equipment and Software Merchant Wholesalers	541350	Building Inspection Services	621910	Ambulance Services
325411	Medicinal and Botanical Manufacturing	423440	Other Commercial Equipment Merchant Wholesalers	541360	Geophysical Surveying and Mapping Services	621991	Blood and Organ Banks
325412	Pharmaceutical Preparation Manufacturing	423450	Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers	541370	Surveying and Mapping (except Geophysical) Services	621999	All Other Miscellaneous Ambulatory Health Care Services
325413	In-Vitro Diagnostic Substance Manufacturing	423460	Ophthalmic Goods Merchant Wholesalers	541380	Testing Laboratories	622110	General Medical and Surgical Hospitals
325414	Biological Product (except Diagnostic) Manufacturing	423490	Other Professional Equipment and Supplies Merchant Wholesalers	541710	Research and Development in the Physical, Engineering, and Life Sciences	622210	Psychiatric and Substance Abuse Hospitals
334510	Electromedical and Electrotherapeutic Apparatus Manufacturing	424210	Drugs and Druggists' Sundries Merchant Wholesalers	541720	Research and Development in the Social Sciences and Humanities	622310	Specialty (except Psychiatric and Substance Abuse) Hospitals
334511	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing	424610	Plastics Materials and Basic Forms and Shapes Merchant Wholesalers	621111	Offices of Physicians (except Mental Health Specialists)	623110	Nursing Care Facilities
334512	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use	424690	Other Chemical and Allied Products Merchant Wholesalers	621112	Offices of Physicians, Mental Health Specialists	621610	Home Health Care Services
334513	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables	446110	Pharmacies and Drug Stores	621210	Offices of Dentists		

# Appendix One: NAICS Codes in Each Cluster

## Health Care NAICS Codes

NAICS	TITLE	NAICS	TITLE	NAICS	TITLE
325411	Medicinal and Botanical Manufacturing	446199	All Other Health and Personal Care Stores	621340	Offices of Physical, Occupational and Speech Therapists, and Audiologists
325412	Pharmaceutical Preparation Manufacturing	524113	Direct Life Insurance Carriers	621391	Offices of Podiatrists
325413	In-Vitro Diagnostic Substance Manufacturing	524114	Direct Health and Medical Insurance Carriers	621399	Offices of All Other Miscellaneous Health Practitioners
325414	Biological Product (except Diagnostic) Manufacturing	524126	Direct Property and Casualty Insurance Carriers	621410	Family Planning Centers
334510	Electromedical and Electrotherapeutic Apparatus Manufacturing	524127	Direct Title Insurance Carriers	621420	Outpatient Mental Health and Substance Abuse Centers
334511	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing	524128	Other Direct Insurance (except Life, Health, and Medical) Carriers	621491	HMO Medical Centers
334512	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use	524130	Reinsurance Carriers	621492	Kidney Dialysis Centers
334513	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables	541710	Research and Development in the Physical, Engineering, and Life Sciences	621493	Freestanding Ambulatory Surgical and Emergency Centers
334514	Totalizing Fluid Meter and Counting Device Manufacturing	541720	Research and Development in the Social Sciences and Humanities	621498	All Other Outpatient Care Centers
334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals	621111	Offices of Physicians (except Mental Health Specialists)	621511	Medical Laboratories
334516	Analytical Laboratory Instrument Manufacturing	621112	Offices of Physicians, Mental Health Specialists	621512	Diagnostic Imaging Centers
334517	Irradiation Apparatus Manufacturing	621210	Offices of Dentists	621610	Home Health Care Services
334518	Watch, Clock, and Part Manufacturing	621310	Offices of Chiropractors	621910	Ambulance Services
334519	Other Measuring and Controlling Device Manufacturing	621320	Offices of Optometrists	621991	Blood and Organ Banks
339111	Laboratory Apparatus and Furniture Manufacturing	621330	Offices of Mental Health Practitioners (except Physicians)	621999	All Other Miscellaneous Ambulatory Health Care Services
339112	Surgical and Medical Instrument Manufacturing			622110	General Medical and Surgical Hospitals
339113	Surgical Appliance and Supplies Manufacturing			622210	Psychiatric and Substance Abuse Hospitals
339114	Dental Equipment and Supplies Manufacturing			622310	Specialty (except Psychiatric and Substance Abuse) Hospitals
339115	Ophthalmic Goods Manufacturing			623110	Nursing Care Facilities
339116	Dental Laboratories			623210	Residential Mental Retardation Facilities
446110	Pharmacies and Drug Stores			623220	Residential Mental Health and Substance Abuse Facilities
446120	Cosmetics, Beauty Supplies, and Perfume Stores			623311	Continuing Care Retirement Communities
446130	Optical Goods Stores			623312	Homes for the Elderly
446191	Food (Health) Supplement Stores			623990	Other Residential Care Facilities



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