

**Traded Industry Cluster: Advanced Manufacturing 2011**

NAICS Code	NAICS Title	Major Advanced Mfg Subsector
334511	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Mfg	Aerospace
336411	Aircraft Mfg	Aerospace
336412	Aircraft Engine and Engine Parts Mfg	Aerospace
336413	Other Aircraft Parts and Auxiliary Equipment Mfg	Aerospace
336414	Guided Missile and Space Vehicle Mfg	Aerospace
336415	Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Mfg	Aerospace
336419	Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Mfg	Aerospace
311221	Wet Corn Milling	Ag Feedstock & Chemicals
311222	Soybean Processing	Ag Feedstock & Chemicals
311223	Other Oilseed Processing	Ag Feedstock & Chemicals
325199	All Other Basic Organic Chemical Mfg	Ag Feedstock & Chemicals
325221	Cellulosic Organic Fiber Mfg	Ag Feedstock & Chemicals
325311	Nitrogenous Fertilizer Mfg	Ag Feedstock & Chemicals
325312	Phosphatic Fertilizer Mfg	Ag Feedstock & Chemicals
325314	Fertilizer (Mixing Only) Mfg	Ag Feedstock & Chemicals
325320	Pesticide and Other Agricultural Chemical Mfg	Ag Feedstock & Chemicals
333111	Farm Machinery and Equipment Mfg	Agricultural & Construction Machinery
333112	Lawn and Garden Tractor and Home Lawn and Garden Equipment Mfg	Agricultural & Construction Machinery
333120	Construction Machinery Mfg	Agricultural & Construction Machinery
333923	Overhead Traveling Crane, Hoist, and Monorail System Mfg	Agricultural & Construction Machinery
333924	Industrial Truck, Tractor, Trailer, and Stacker Machinery Mfg	Agricultural & Construction Machinery
336212	Truck Trailer Mfg	Agricultural & Construction Machinery
333312	Commercial Laundry, Drycleaning, and Pressing Machine Mfg	Appliances
335211	Electric Housewares and Household Fan Mfg	Appliances
335212	Household Vacuum Cleaner Mfg	Appliances
335221	Household Cooking Appliance Mfg	Appliances
335222	Household Refrigerator and Home Freezer Mfg	Appliances
335224	Household Laundry Equipment Mfg	Appliances
335228	Other Major Household Appliance Mfg	Appliances
332911	Industrial Valve Mfg	Automation & Industrial Machinery
332912	Fluid Power Valve and Hose Fitting Mfg	Automation & Industrial Machinery
332919	Other Metal Valve and Pipe Fitting Mfg	Automation & Industrial Machinery
333412	Industrial and Commercial Fan and Blower Mfg	Automation & Industrial Machinery
333511	Industrial Mold Mfg	Automation & Industrial Machinery
333512	Machine Tool (Metal Cutting Types) Mfg	Automation & Industrial Machinery
333513	Machine Tool (Metal Forming Types) Mfg	Automation & Industrial Machinery
333514	Special Die and Tool, Die Set, Jig, and Fixture Mfg	Automation & Industrial Machinery
333515	Cutting Tool and Machine Tool Accessory Mfg	Automation & Industrial Machinery
333516	Rolling Mill Machinery and Equipment Mfg	Automation & Industrial Machinery
333518	Other Metalworking Machinery Mfg	Automation & Industrial Machinery
333911	Pump and Pumping Equipment Mfg	Automation & Industrial Machinery
333912	Air and Gas Compressor Mfg	Automation & Industrial Machinery
333913	Measuring and Dispensing Pump Mfg	Automation & Industrial Machinery
333921	Elevator and Moving Stairway Mfg	Automation & Industrial Machinery

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333922	Conveyor and Conveying Equipment Mfg	Automation & Industrial Machinery
333992	Welding and Soldering Equipment Mfg	Automation & Industrial Machinery
333994	Industrial Process Furnace and Oven Mfg	Automation & Industrial Machinery
333995	Fluid Power Cylinder and Actuator Mfg	Automation & Industrial Machinery
333996	Fluid Power Pump and Motor Mfg	Automation & Industrial Machinery
333999	All Other Miscellaneous General Purpose Machinery Mfg	Automation & Industrial Machinery
334513	Instruments and Related Products Mfg for Measuring, Displaying, and Controlling Industrial Process Variables	Automation & Industrial Machinery
335312	Motor and Generator Mfg	Automation & Industrial Machinery
335313	Switchgear and Switchboard Apparatus Mfg	Automation & Industrial Machinery
335314	Relay and Industrial Control Mfg	Automation & Industrial Machinery
325411	Medicinal and Botanical Mfg	Biosciences
325412	Pharmaceutical Preparation Mfg	Biosciences
325413	In-Vitro Diagnostic Substance Mfg	Biosciences
325414	Biological Product (except Diagnostic) Mfg	Biosciences
334510	Electromedical and Electrotherapeutic Apparatus Mfg	Biosciences
334516	Analytical Laboratory Instrument Mfg	Biosciences
334517	Irradiation Apparatus Mfg	Biosciences
339112	Surgical and Medical Instrument Mfg	Biosciences
339113	Surgical Appliance and Supplies Mfg	Biosciences
339114	Dental Equipment and Supplies Mfg	Biosciences
339115	Ophthalmic Goods Mfg	Biosciences
339116	Dental Laboratories	Biosciences
541380*	Testing Laboratories (Life Sciences Share Only)	Biosciences
541710*	R&D in the Physical, Engineering, and Life Sciences (Life Sciences Share Only)	Biosciences
321113	Sawmills	Building & Construction Products
321114	Wood Preservation	Building & Construction Products
321211	Hardwood Veneer and Plywood Mfg	Building & Construction Products
321212	Softwood Veneer and Plywood Mfg	Building & Construction Products
321213	Engineered Wood Member (except Truss) Mfg	Building & Construction Products
321214	Truss Mfg	Building & Construction Products
321219	Reconstituted Wood Product Mfg	Building & Construction Products
321911	Wood Window and Door Mfg	Building & Construction Products
321912	Cut Stock, Resawing Lumber, and Planing	Building & Construction Products
321918	Other Millwork (including Flooring)	Building & Construction Products
321920	Wood Container and Pallet Mfg	Building & Construction Products
326122	Plastics Pipe and Pipe Fitting Mfg	Building & Construction Products
326191	Plastics Plumbing Fixture Mfg	Building & Construction Products
326192	Resilient Floor Covering Mfg	Building & Construction Products
327121	Brick and Structural Clay Tile Mfg	Building & Construction Products
327122	Ceramic Wall and Floor Tile Mfg	Building & Construction Products
327123	Other Structural Clay Product Mfg	Building & Construction Products
327211	Flat Glass Mfg	Building & Construction Products
327215	Glass Product Mfg Made of Purchased Glass	Building & Construction Products
327310	Cement Mfg	Building & Construction Products
327320	Ready-Mix Concrete Mfg	Building & Construction Products
327331	Concrete Block and Brick Mfg	Building & Construction Products
327332	Concrete Pipe Mfg	Building & Construction Products
327390	Other Concrete Product Mfg	Building & Construction Products
327420	Gypsum Product Mfg	Building & Construction Products
327991	Cut Stone and Stone Product Mfg	Building & Construction Products

NAICS Code	NAICS Title	Major Advanced Mfg Subsector
332311	Prefabricated Metal Building and Component Mfg	Building & Construction Products
332312	Fabricated Structural Metal Mfg	Building & Construction Products
332321	Metal Window and Door Mfg	Building & Construction Products
332323	Ornamental and Architectural Metal Work Mfg	Building & Construction Products
332913	Plumbing Fixture Fitting and Trim Mfg	Building & Construction Products
332998	Enameled Iron and Metal Sanitary Ware Mfg	Building & Construction Products
335121	Residential Electric Lighting Fixture Mfg	Building & Construction Products
335122	Commercial, Industrial, and Institutional Electric Lighting Fixture Mfg	Building & Construction Products
337110	Wood Kitchen Cabinet and Countertop Mfg	Building & Construction Products
337212	Custom Architectural Woodwork and Millwork Mfg	Building & Construction Products
325193	Ethyl Alcohol Mfg	Cleantech
333411	Air Purification Equipment Mfg	Cleantech
333414	Heating Equipment (except Warm Air Furnaces) Mfg	Cleantech
333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Mfg	Cleantech
333611	Turbine and Turbine Generator Set Units Mfg	Cleantech
333612	Speed Changer, Industrial High-Speed Drive, and Gear Mfg	Cleantech
334512	Automatic Environmental Control Mfg for Residential, Commercial, and Appliance Use	Cleantech
335911	Storage Battery Mfg	Cleantech
335912	Primary Battery Mfg	Cleantech
334111	Electronic Computer Mfg	Computers & Related Electronics
334112	Computer Storage Device Mfg	Computers & Related Electronics
334113	Computer Terminal Mfg	Computers & Related Electronics
334119	Other Computer Peripheral Equipment Mfg	Computers & Related Electronics
334210	Telephone Apparatus Mfg	Computers & Related Electronics
334220	Radio and Television Broadcasting and Wireless Communications Equipment Mfg	Computers & Related Electronics
334290	Other Communications Equipment Mfg	Computers & Related Electronics
334310	Audio and Video Equipment Mfg	Computers & Related Electronics
334411	Electron Tube Mfg	Computers & Related Electronics
334412	Bare Printed Circuit Board Mfg	Computers & Related Electronics
334413	Semiconductor and Related Device Mfg	Computers & Related Electronics
334414	Electronic Capacitor Mfg	Computers & Related Electronics
334415	Electronic Resistor Mfg	Computers & Related Electronics
334416	Electronic Coil, Transformer, and Other Inductor Mfg	Computers & Related Electronics
334417	Electronic Connector Mfg	Computers & Related Electronics
334418	Printed Circuit Assembly (Electronic Assembly) Mfg	Computers & Related Electronics
334419	Other Electronic Component Mfg	Computers & Related Electronics
311111	Dog and Cat Food Mfg	Food Processing & Products
311119	Other Animal Food Mfg	Food Processing & Products
311211	Flour Milling	Food Processing & Products
311212	Rice Milling	Food Processing & Products
311213	Malt Mfg	Food Processing & Products
311225	Fats and Oils Refining and Blending	Food Processing & Products
311230	Breakfast Cereal Mfg	Food Processing & Products
311311	Sugarcane Mills	Food Processing & Products
311312	Cane Sugar Refining	Food Processing & Products
311313	Beet Sugar Mfg	Food Processing & Products
311320	Chocolate and Confectionery Mfg from Cacao Beans	Food Processing & Products
311330	Confectionery Mfg from Purchased Chocolate	Food Processing & Products

NAICS Code	NAICS Title	Major Advanced Mfg Subsector
311340	Nonchocolate Confectionery Mfg	Food Processing & Products
311411	Frozen Fruit, Juice, and Vegetable Mfg	Food Processing & Products
311412	Frozen Specialty Food Mfg	Food Processing & Products
311421	Fruit and Vegetable Canning	Food Processing & Products
311422	Specialty Canning	Food Processing & Products
311423	Dried and Dehydrated Food Mfg	Food Processing & Products
311511	Fluid Milk Mfg	Food Processing & Products
311512	Creamery Butter Mfg	Food Processing & Products
311513	Cheese Mfg	Food Processing & Products
311514	Dry, Condensed, and Evaporated Dairy Product Mfg	Food Processing & Products
311520	Ice Cream and Frozen Dessert Mfg	Food Processing & Products
311811	Retail Bakeries	Food Processing & Products
311812	Commercial Bakeries	Food Processing & Products
311813	Frozen Cakes, Pies, and Other Pastries Mfg	Food Processing & Products
311821	Cookie and Cracker Mfg	Food Processing & Products
311822	Flour Mixes and Dough Mfg from Purchased Flour	Food Processing & Products
311823	Dry Pasta Mfg	Food Processing & Products
311830	Tortilla Mfg	Food Processing & Products
311911	Roasted Nuts and Peanut Butter Mfg	Food Processing & Products
311919	Other Snack Food Mfg	Food Processing & Products
311920	Coffee and Tea Mfg	Food Processing & Products
311930	Flavoring Syrup and Concentrate Mfg	Food Processing & Products
311941	Mayonnaise, Dressing, and Other Prepared Sauce Mfg	Food Processing & Products
311942	Spice and Extract Mfg	Food Processing & Products
311991	Perishable Prepared Food Mfg	Food Processing & Products
311999	All Other Miscellaneous Food Mfg	Food Processing & Products
333294	Food Product Machinery Mfg	Food Processing & Products
311612	Meat Processed from Carcasses	Meat Processing
311613	Rendering and Meat Byproduct Processing	Meat Processing
311615	Poultry Processing	Meat Processing
336213	Motor Home Mfg	Motor Homes & Campers
336214	Travel Trailer and Camper Mfg	Motor Homes & Campers
322130	Paperboard Mills	Packaging
322211	Corrugated and Solid Fiber Box Mfg	Packaging
322212	Folding Paperboard Box Mfg	Packaging
322213	Setup Paperboard Box Mfg	Packaging
322214	Fiber Can, Tube, Drum, and Similar Products Mfg	Packaging
322215	Nonfolding Sanitary Food Container Mfg	Packaging
322221	Coated and Laminated Packaging Paper Mfg	Packaging
322222	Coated and Laminated Paper Mfg	Packaging
322223	Coated Paper Bag and Pouch Mfg	Packaging
322224	Uncoated Paper and Multiwall Bag Mfg	Packaging
322225	Laminated Aluminum Foil Mfg for Flexible Packaging Uses	Packaging
322226	Surface-Coated Paperboard Mfg	Packaging
326111	Plastics Bag and Pouch Mfg	Packaging
326112	Plastics Packaging Film and Sheet (including Laminated) Mfg	Packaging
326160	Plastics Bottle Mfg	Packaging
327213	Glass Container Mfg	Packaging
332431	Metal Can Mfg	Packaging
332439	Other Metal Container Mfg	Packaging
333993	Packaging Machinery Mfg	Packaging

NAICS Code	NAICS Title	Major Advanced Mfg Subsector
325211	Plastics Material and Resin Mfg	Polymers & Misc Plastic Products
325212	Synthetic Rubber Mfg	Polymers & Misc Plastic Products
325510	Paint and Coating Mfg	Polymers & Misc Plastic Products
325520	Adhesive Mfg	Polymers & Misc Plastic Products
325991	Custom Compounding of Purchased Resins	Polymers & Misc Plastic Products
326113	Unlaminated Plastics Film and Sheet (except Packaging) Mfg	Polymers & Misc Plastic Products
326121	Unlaminated Plastics Profile Shape Mfg	Polymers & Misc Plastic Products
326140	Polystyrene Foam Product Mfg	Polymers & Misc Plastic Products
326150	Urethane and Other Foam Product (except Polystyrene) Mfg	Polymers & Misc Plastic Products
326199	All Other Plastics Product Mfg	Polymers & Misc Plastic Products
326220	Rubber and Plastics Hoses and Belting Mfg	Polymers & Misc Plastic Products
326291	Rubber Product Mfg for Mechanical Use	Polymers & Misc Plastic Products
326299	All Other Rubber Product Mfg	Polymers & Misc Plastic Products
333220	Plastics and Rubber Industry Machinery Mfg	Polymers & Misc Plastic Products
331111	Iron and Steel Mills	Primary Metals Manufacturing
331112	Electrometallurgical Ferroalloy Product Mfg	Primary Metals Manufacturing
331210	Iron and Steel Pipe and Tube Mfg from Purchased Steel	Primary Metals Manufacturing
331221	Rolled Steel Shape Mfg	Primary Metals Manufacturing
331222	Steel Wire Drawing	Primary Metals Manufacturing
331311	Alumina Refining	Primary Metals Manufacturing
331312	Primary Aluminum Production	Primary Metals Manufacturing
331314	Secondary Smelting and Alloying of Aluminum	Primary Metals Manufacturing
331315	Aluminum Sheet, Plate, and Foil Mfg	Primary Metals Manufacturing
331316	Aluminum Extruded Product Mfg	Primary Metals Manufacturing
331319	Other Aluminum Rolling and Drawing	Primary Metals Manufacturing
331411	Primary Smelting and Refining of Copper	Primary Metals Manufacturing
331419	Primary Smelting and Refining of Nonferrous Metal (except Copper and Aluminum)	Primary Metals Manufacturing
331421	Copper Rolling, Drawing, and Extruding	Primary Metals Manufacturing
331422	Copper Wire (except Mechanical) Drawing	Primary Metals Manufacturing
331423	Secondary Smelting, Refining, and Alloying of Copper	Primary Metals Manufacturing
331491	Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding	Primary Metals Manufacturing
331492	Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)	Primary Metals Manufacturing
331511	Iron Foundries	Primary Metals Manufacturing
331512	Steel Investment Foundries	Primary Metals Manufacturing
331513	Steel Foundries (except Investment)	Primary Metals Manufacturing
331521	Aluminum Die-Casting Foundries	Primary Metals Manufacturing
331522	Nonferrous (except Aluminum) Die-Casting Foundries	Primary Metals Manufacturing
331524	Aluminum Foundries (except Die-Casting)	Primary Metals Manufacturing
331525	Copper Foundries (except Die-Casting)	Primary Metals Manufacturing
331528	Other Nonferrous Foundries (except Die-Casting)	Primary Metals Manufacturing
323111	Commercial Gravure Printing	Printing
323112	Commercial Flexographic Printing	Printing
323113	Commercial Screen Printing	Printing
323114	Quick Printing	Printing
323115	Digital Printing	Printing
323116	Manifold Business Forms Printing	Printing
323117	Books Printing	Printing
323118	Blankbook, Looseleaf Binders, and Devices Mfg	Printing

NAICS Code	NAICS Title	Major Advanced Mfg Subsector
323119	Other Commercial Printing	Printing
323121	Tradebinding and Related Work	Printing
323122	Prepress Services	Printing
325910	Printing Ink Mfg	Printing
333293	Printing Machinery and Equipment Mfg	Printing
541330	Engineering Services	Research, Engineering, & Industrial Design Services
541420	Industrial Design Services	Research, Engineering, & Industrial Design Services
541380*	Testing Laboratories (Non-Life Sciences Share Only)	Research, Engineering, & Industrial Design Services
541710*	R&D in the Physical, Engineering, and Life Sciences (Non-Life Sciences Share Only)	Research, Engineering, & Industrial Design Services
326211	Tire Mfg (except Retreading)	Vehicular Parts & Components
326212	Tire Retreading	Vehicular Parts & Components
336211	Motor Vehicle Body Mfg	Vehicular Parts & Components
336311	Carburetor, Piston, Piston Ring, and Valve Mfg	Vehicular Parts & Components
336312	Gasoline Engine and Engine Parts Mfg	Vehicular Parts & Components
336321	Vehicular Lighting Equipment Mfg	Vehicular Parts & Components
336322	Other Motor Vehicle Electrical and Electronic Equipment Mfg	Vehicular Parts & Components
336330	Motor Vehicle Steering and Suspension Components (except Spring) Mfg	Vehicular Parts & Components
336340	Motor Vehicle Brake System Mfg	Vehicular Parts & Components
336350	Motor Vehicle Transmission and Power Train Parts Mfg	Vehicular Parts & Components
336360	Motor Vehicle Seating and Interior Trim Mfg	Vehicular Parts & Components
336370	Motor Vehicle Metal Stamping	Vehicular Parts & Components
336391	Motor Vehicle Air-Conditioning Mfg	Vehicular Parts & Components
336399	All Other Motor Vehicle Parts Mfg	Vehicular Parts & Components

### Traded Industry Cluster: Biosciences 2011

NAICS Code	NAICS Title	Major Biosciences Subsector
311221	Wet corn milling	Agricultural Feedstock & Chemicals
311222	Soybean processing	Agricultural Feedstock & Chemicals
311223	Other oilseed processing	Agricultural Feedstock & Chemicals
325193	Ethyl alcohol manufacturing	Agricultural Feedstock & Chemicals
325199	All other basic organic chemical manufacturing	Agricultural Feedstock & Chemicals
325221	Cellulosic organic fiber manufacturing	Agricultural Feedstock & Chemicals
325311	Nitrogenous fertilizer manufacturing	Agricultural Feedstock & Chemicals
325312	Phosphatic fertilizer manufacturing	Agricultural Feedstock & Chemicals
325314	Fertilizer (mixing only) manufacturing	Agricultural Feedstock & Chemicals
325320	Pesticide and other agricultural chemical mfg	Agricultural Feedstock & Chemicals
325411	Medicinal and botanical manufacturing	Drugs and Pharmaceuticals
325412	Pharmaceutical preparation manufacturing	Drugs and Pharmaceuticals
325413	In vitro diagnostic substance manufacturing	Drugs and Pharmaceuticals
325414	Other biological product manufacturing	Drugs and Pharmaceuticals
334510	Electromedical apparatus manufacturing	Medical Devices & Equipment
334516	Analytical laboratory instrument manufacturing	Medical Devices & Equipment
334517	Irradiation apparatus manufacturing	Medical Devices & Equipment

NAICS Code	NAICS Title	Major Biosciences Subsector
339111	Laboratory apparatus and furniture manufacturing	Medical Devices & Equipment
339112	Surgical and medical instrument manufacturing	Medical Devices & Equipment
339113	Surgical appliance and supplies manufacturing	Medical Devices & Equipment
339114	Dental equipment and supplies manufacturing	Medical Devices & Equipment
339115	Ophthalmic goods manufacturing	Medical Devices & Equipment
339116	Dental Laboratories	Medical Devices & Equipment
541380	Testing Laboratories:only portion of industries engaged in relevant biological or other life sciences activities	Research, Testing and Medical Laboratories
541710	Physical, engineering, and biological research: only portion of industries engaged in relevant biological or other life sciences activities	Research, Testing and Medical Laboratories
621511	Medical laboratories	Research, Testing and Medical Laboratories
621512	Diagnostic imaging centers	Research, Testing and Medical Laboratories

### Traded Industry Cluster: Information Technology 2011

NAICS Code	NAICS Title	Major IT Subsector
334210	Telephone Apparatus Manufacturing	Communications Equipment
334220	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing	Communications Equipment
334290	Other Communications Equipment Manufacturing	Communications Equipment
335921	Fiber Optic Cable Manufacturing	Communications Equipment
335929	Other Communication and Energy Wire Manufacturing	Communications Equipment
517110	Wired Telecommunications Carriers	Communications Network Services
517210	Wireless Telecommunications Carriers (except Satellite)	Communications Network Services
517410	Satellite Telecommunications	Communications Network Services
517911	Telecommunications Resellers	Communications Network Services
517919	All Other Telecommunications	Communications Network Services
334111	Electronic Computer Manufacturing	Computer & Peripheral Equipment
334112	Computer Storage Device Manufacturing	Computer & Peripheral Equipment
334113	Computer Terminal Manufacturing	Computer & Peripheral Equipment
334119	Other Computer Peripheral Equipment Manufacturing	Computer & Peripheral Equipment
334413	Semiconductor and Related Device Manufacturing	Computer & Peripheral Equipment
519130	Internet Publishing & Broadcasting & Web Search Portals	Internet Services & E-Commerce
425110	Business to Business Electronic Markets	Internet Services & E-Commerce
454111	Electronic Shopping	Internet Services & E-Commerce
454112	Electronic Auctions	Internet Services & E-Commerce
454113	Mail-Order Houses	Internet Services & E-Commerce
334611	Software Reproducing	Software & Computer Services
511210	Software Publishers	Software & Computer Services
518210	Data Processing, Hosting, and Related Services	Software & Computer Services
541511	Custom Computer Programming Services	Software & Computer Services
541512	Computer Systems Design Services	Software & Computer Services
541513	Computer Facilities Management Services	Software & Computer Services
541519	Other Computer Related Services	Software & Computer Services