

**U.S. DEPARTMENT OF COMMERCE**  
**Bureau of Economic Analysis**

# **GUIDE TO INDUSTRY CLASSIFICATIONS FOR INTERNATIONAL SURVEYS 2017**

Industry classifications adapted from the  
2017 North American Industry Classification System  
(NAICS)



## INDUSTRY CLASSIFICATIONS

The international surveys industry (ISI) classifications described here are to be used when completing the industry classifications items in BEA’s surveys of direct investment and services. The classifications and their code numbers were adapted by BEA from the [2017 North American Industry Classification System](#) (hereafter referred to as the “2017 NAICS”). Industry classifications in the previous version of this guide were adapted from the 2012 North American Industry Classification System.

Reflecting the changes made to the NAICS for 2017, the new 2017 ISI classifications differ minimally from the 2012 ISI classifications. The table below summarizes the few reclassifications of activities and other changes in the 2017 guide:

Nature of change	From: 2012 International Survey Industry		To: 2017 International Surveys Industry	
	Name	Code	Name	Code
Reclassification of wired telecommunications	Wired telecommunications carriers	5171	Wired and wireless telecommunications carriers	5173
Reclassification of wireless telecommunications	Wireless telecommunications carriers (except satellite)	5172	Wired and wireless telecommunications carriers	5173
Name change only	Bakeries and tortillas	3118	Bakery products and tortillas	3118
Name change only	Iron and steel mills and ferroalloys	3311	Iron and steel mills	3311
Name change only	Machine shops; turned products; and screws, nuts, and bolts	3327	Machine shop products, turned products, and screws, nuts, and bolts	3327
Name change only	Non-depository credit intermediation	5224	Non-depository credit intermediation, except branches and agencies	5224
Name change only	Insurance carriers, except life insurance carriers	5243	Insurance carriers, except direct life insurance carriers	5243
Name change only	Life insurance carriers	5249	Direct life insurance carriers	5249

For additional information, refer to the detailed description of the ISI codes that follow in this guide and in the 2017 NAICS manual.

For reporting on BEA surveys, 200 individual ISI classifications were adapted from the 2017 NAICS, and each has been assigned a four-digit numerical code. (The previously used 2012 ISI classifications had 201 four-digit codes.) The titles of some ISI classifications, by themselves, may not be sufficiently descriptive to classify certain activities. More information on the content of each classification is provided in the detailed definitions that follow. For some classifications, a “NOTE” given after the definition lists closely related activities and ISI codes NOT included in the classification being defined.

For the convenience of those reporters familiar with the 2017 NAICS, the 2017 NAICS code or codes that correspond to a given ISI classification are shown in parentheses under the heading of each ISI classification. Because differences between a given ISI classification and the corresponding 2017 NAICS classification(s) may exist, the detailed definitions of the ISI classifications should be consulted when completing industry classification items in BEA surveys.

## SUMMARY OF INDUSTRY CLASSIFICATIONS

### AGRICULTURE, FORESTRY, FISHING, AND HUNTING

- 1110 Crop production
- 1120 Animal production and aquaculture
- 1130 Forestry and logging
- 1140 Fishing, hunting, and trapping
- 1150 Support activities for agriculture and forestry

### MINING, QUARRYING, AND OIL AND GAS EXTRACTION

- 2111 Oil and gas extraction
- 2121 Coal
- 2123 Nonmetallic minerals
- 2124 Iron ores
- 2125 Gold and silver ores
- 2126 Copper, nickel, lead, and zinc ores
- 2127 Other metal ores
- 2132 Support activities for oil and gas operations
- 2133 Support activities for mining, except for oil and gas operations

### UTILITIES

- 2211 Electric power generation, transmission, and distribution
- 2212 Natural gas distribution
- 2213 Water, sewage, and other systems

### CONSTRUCTION

- 2360 Construction of buildings
- 2370 Heavy and civil engineering construction
- 2380 Specialty trade contractors

### MANUFACTURING

- 3111 Animal foods
- 3112 Grain and oilseed milling
- 3113 Sugar and confectionery products
- 3114 Fruit and vegetable preserving and specialty foods
- 3115 Dairy products
- 3116 Meat products
- 3117 Seafood product preparation and packaging
- 3118 Bakery products and tortillas
- 3119 Other food products
- 3121 Beverages
- 3122 Tobacco
- 3130 Textile mills
- 3140 Textile product mills
- 3150 Apparel
- 3160 Leather and allied products
- 3210 Wood products
- 3221 Pulp, paper, and paperboard mills
- 3222 Converted paper products
- 3231 Printing and related support activities

- 3242 Integrated petroleum refining and extraction
- 3243 Petroleum refining without extraction
- 3244 Asphalt and other petroleum and coal products
- 3251 Basic chemicals
- 3252 Resins, synthetic rubbers, and artificial and synthetic fibers and filaments
- 3253 Pesticides, fertilizers, and other agricultural chemicals
- 3254 Pharmaceuticals and medicines
- 3255 Paints, coatings, and adhesives
- 3256 Soap, cleaning compounds, and toilet preparations
- 3259 Other chemical products and preparations
- 3261 Plastics products
- 3262 Rubber products
- 3271 Clay products and refractories
- 3272 Glass and glass products
- 3273 Cement and concrete products
- 3274 Lime and gypsum products
- 3279 Other nonmetallic mineral products
- 3311 Iron and steel mills
- 3312 Steel products from purchased steel
- 3313 Alumina and aluminum production and processing
- 3314 Nonferrous metal (except aluminum) production and processing
- 3315 Foundries
- 3321 Forging and stamping
- 3322 Cutlery and hand tools
- 3323 Architectural and structural metals
- 3324 Boilers, tanks, and shipping containers
- 3325 Hardware
- 3326 Spring and wire products
- 3327 Machine shop products, turned products, and screws, nuts, and bolts
- 3328 Coating, engraving, heat treating, and allied activities
- 3329 Other fabricated metal products
- 3331 Agriculture, construction, and mining machinery
- 3332 Industrial machinery
- 3333 Commercial and service industry machinery
- 3334 Ventilation, heating, air-conditioning, and commercial refrigeration equipment
- 3335 Metalworking machinery
- 3336 Engines, turbines, and power transmission equipment
- 3339 Other general purpose machinery
- 3341 Computer and peripheral equipment
- 3342 Communications equipment
- 3343 Audio and video equipment

- 3344 Semiconductors and other electronic components
- 3345 Navigational, measuring, electromedical, and control instruments
- 3346 Manufacturing and reproducing magnetic and optical media
- 3351 Electric lighting equipment
- 3352 Household appliances
- 3353 Electrical equipment
- 3359 Other electrical equipment and components
- 3361 Motor vehicles
- 3362 Motor vehicle bodies and trailers
- 3363 Motor vehicle parts
- 3364 Aerospace products and parts
- 3365 Railroad rolling stock
- 3366 Ship and boat building
- 3369 Other transportation equipment
- 3370 Furniture and related products
- 3391 Medical equipment and supplies
- 3399 Other miscellaneous manufacturing

### WHOLESALE TRADE

#### MERCHANT WHOLESALERS, DURABLE GOODS

- 4231 Motor vehicle and motor vehicle parts and supplies merchant wholesalers
- 4232 Furniture and home furnishing merchant wholesalers
- 4233 Lumber and other construction materials merchant wholesalers
- 4234 Professional and commercial equipment and supplies merchant wholesalers
- 4235 Metal and mineral (except petroleum) merchant wholesalers
- 4236 Household appliances and electrical and electronic goods merchant wholesalers
- 4237 Hardware, and plumbing and heating equipment and supplies merchant wholesalers
- 4238 Machinery, equipment, and supplies merchant wholesalers
- 4239 Miscellaneous durable goods merchant wholesalers

#### MERCHANT WHOLESALERS, NONDURABLE GOODS

- 4241 Paper and paper product merchant wholesalers
- 4242 Drugs and druggists sundries merchant wholesalers
- 4243 Apparel, piece goods, and notions merchant wholesalers
- 4244 Grocery and related product merchant wholesalers

## SUMMARY OF INDUSTRY CLASSIFICATIONS

### **MERCHANT WHOLESALERS, NONDURABLE GOODS—Continued**

- 4245 Farm product raw material merchant wholesalers
- 4246 Chemical and allied products merchant wholesalers
- 4247 Petroleum and petroleum products merchant wholesalers
- 4248 Beer, wine, and distilled alcoholic beverage merchant wholesalers
- 4249 Miscellaneous nondurable goods merchant wholesalers

### **ELECTRONIC MARKETS AND AGENTS AND BROKERS**

- 4251 Wholesale electronic markets and agents and brokers

### **RETAIL TRADE**

- 4410 Motor vehicle and parts dealers
- 4420 Furniture and home furnishings stores
- 4431 Electronics and appliance stores
- 4440 Building material and garden equipment and supplies dealers
- 4450 Food and beverage stores
- 4461 Health and personal care stores
- 4471 Gasoline stations
- 4480 Clothing and clothing accessories stores
- 4510 Sporting goods, hobby, musical instrument, and book stores
- 4520 General merchandise stores
- 4530 Miscellaneous store retailers
- 4540 Nonstore retailers

### **TRANSPORTATION AND WAREHOUSING**

- 4810 Air transportation
- 4821 Rail transportation
- 4833 Petroleum tanker operations
- 4839 Other water transportation
- 4840 Truck transportation
- 4850 Transit and ground passenger transportation
- 4863 Pipeline transportation of crude oil, refined petroleum products, and natural gas
- 4868 Other pipeline transportation
- 4870 Scenic and sightseeing transportation
- 4880 Support activities for transportation
- 4920 Couriers and messengers
- 4932 Petroleum storage for hire
- 4939 Other warehousing and storage

### **INFORMATION**

- 5111 Newspaper, periodical, book, and directory publishers
- 5112 Software publishers
- 5121 Motion picture and video industries

- 5122 Sound recording industries
- 5151 Radio and television broadcasting
- 5152 Cable and other subscription programming
- 5173 Wired and wireless telecommunications carriers
- 5174 Satellite telecommunications
- 5179 Other telecommunications
- 5182 Data processing, hosting, and related services
- 5191 Other information services

### **FINANCE AND INSURANCE**

- 5221 Depository credit intermediation (Banking)
- 5223 Activities related to credit intermediation
- 5224 Non-depository credit intermediation, except branches and agencies
- 5229 Non-depository branches and agencies
- 5231 Securities and commodity contracts intermediation and brokerage
- 5238 Other financial investment activities and exchanges
- 5242 Agencies, brokerages, and other insurance related activities
- 5243 Insurance carriers, except direct life insurance carriers
- 5249 Direct life insurance carriers
- 5252 Funds, trusts, and other financial vehicles

### **REAL ESTATE AND RENTAL AND LEASING**

- 5310 Real estate
- 5321 Automotive equipment rental and leasing
- 5329 Other rental and leasing services
- 5331 Lessors of nonfinancial intangible assets (except copyrighted works)

### **PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES**

- 5411 Legal services
- 5412 Accounting, tax preparation, bookkeeping, and payroll services
- 5413 Architectural, engineering, and related services
- 5414 Specialized design services
- 5415 Computer systems design and related services
- 5416 Management, scientific, and technical consulting services
- 5417 Scientific research and development services
- 5418 Advertising, public relations, and related services
- 5419 Other professional, scientific, and technical services

### **MANAGEMENT OF COMPANIES AND ENTERPRISES**

- 5512 Holding companies, except bank holding companies
- 5513 Corporate, subsidiary, and regional management offices

### **ADMINISTRATIVE AND SUPPORT AND WASTE MANAGEMENT AND REMEDIATION SERVICES**

- 5611 Office administrative services
- 5612 Facilities support services
- 5613 Employment services
- 5614 Business support services
- 5615 Travel arrangement and reservation services
- 5616 Investigation and security services
- 5617 Services to buildings and dwellings
- 5619 Other support services
- 5620 Waste management and remediation services

### **EDUCATIONAL SERVICES**

- 6110 Educational services

### **HEALTH CARE AND SOCIAL ASSISTANCE**

- 6210 Ambulatory health care services
- 6220 Hospitals
- 6230 Nursing and residential care facilities
- 6240 Social assistance

### **ARTS, ENTERTAINMENT, AND RECREATION**

- 7110 Performing arts, spectator sports, and related industries
- 7121 Museums, historical sites, and similar institutions
- 7130 Amusement, gambling, and recreation industries

### **ACCOMMODATION AND FOOD SERVICES**

- 7210 Accommodation
- 7220 Food services and drinking places

### **OTHER SERVICES**

- 8110 Repair and maintenance
- 8120 Personal and laundry services
- 8130 Religious, grantmaking, civic, professional, and similar organizations

### **PUBLIC ADMINISTRATION**

- 9200 Public administration

# FOREIGN PARENT AND UBO INDUSTRY CODES

Two-digit codes, with ISI components

Some of BEA's surveys request industry classifications for foreign parents (FPs) and the ultimate beneficial owners (UBOs) of U.S. affiliates. These requests require a two-digit classification that is used to identify groups of related ISI codes or specific types of ownership (government-owned, pension fund, estate, trust, nonprofit organization, or individual).

The list below identifies these groups of related ISI codes.

## 01 Government and government-owned or -sponsored enterprise, or quasi-government organization or agency

## 02 Pension fund — Government run

## 03 Pension fund — Privately run

## 04 Estate, trust, or nonprofit organization

5252 Funds, trusts, and other financial vehicles<sup>1</sup>

## 05 Individual

*Private business enterprise, investment organization, or group engaged in:*

## 06 Insurance

5242 Agencies, brokerages, and other insurance related activities

5243 Insurance carriers, except direct life insurance carriers

5249 Direct life insurance carriers

## 07 Agriculture, forestry, fishing, and hunting

1110 Crop production

1120 Animal production and aquaculture

1130 Forestry and logging

1140 Fishing, hunting, and trapping

## 08 Mining

2111 Oil and gas extraction

2121 Coal

2123 Nonmetallic minerals

2124 Iron ores

2125 Gold and silver ores

2126 Copper, nickel, lead, and zinc ores

2127 Other metal ores

## 09 Construction

2360 Construction of buildings

2370 Heavy and civil engineering construction

2380 Specialty trade contractors

## 10 Transportation and warehousing

4810 Air transportation

4821 Rail transportation

4833 Petroleum tanker operations

4839 Other water transportation

4840 Truck transportation

4850 Transit and ground passenger transportation

4863 Pipeline transportation of crude oil, refined petroleum products, and natural gas

4868 Other pipeline transportation

4870 Scenic and sightseeing transportation

4880 Support activities for transportation

4920 Couriers and messengers

4932 Petroleum storage for hire

4939 Other warehousing and storage

## 11 Utilities

2211 Electric power generation, transmission, and distribution

2212 Natural gas distribution

2213 Water, sewage, and other systems

## 12 Wholesale and retail trade

4231 Motor vehicle and motor vehicle parts and supplies merchant wholesalers

4232 Furniture and home furnishing merchant wholesalers

4233 Lumber and other construction materials merchant wholesalers

4234 Professional and commercial equipment and supplies merchant wholesalers

4235 Metal and mineral (except petroleum) merchant wholesalers

4236 Household appliances and electrical and electronic goods merchant wholesalers

4237 Hardware, and plumbing and heating equipment and supplies merchant wholesalers

4238 Machinery, equipment, and supplies merchant wholesalers

4239 Miscellaneous durable goods merchant wholesalers

4241 Paper and paper product merchant wholesalers

4242 Drugs and druggists sundries merchant wholesalers

4243 Apparel, piece goods, and notions merchant wholesalers

4244 Grocery and related product merchant wholesalers

4245 Farm product raw material merchant wholesalers

4246 Chemical and allied products merchant wholesalers

4247 Petroleum and petroleum products merchant wholesalers

4248 Beer, wine, and distilled alcoholic beverage merchant wholesalers

4249 Miscellaneous nondurable goods merchant wholesalers

4251 Wholesale electronic markets and agents and brokers

4410 Motor vehicle and parts dealers

4420 Furniture and home furnishings stores

4431 Electronics and appliance stores

4440 Building material and garden equipment and supplies dealers

4450 Food and beverage stores

4461 Health and personal care stores

4471 Gasoline stations

4480 Clothing and clothing accessories stores

4510 Sporting goods, hobby, musical instrument, and book stores

4520 General merchandise stores

4530 Miscellaneous store retailers

4540 Nonstore retailers

## 13 Banking, including bank holding companies

5221 Depository credit intermediation (banking)

5229 Non-depository branches and agencies

## 14 Holding companies, excluding bank holding companies

5512 Holding companies, except bank holding companies

5513 Corporate, subsidiary, and regional management offices

1. Only the portion of ISI code 5252 that includes estates and trusts



# FOREIGN PARENT AND UBO INDUSTRY CODES

Two-digit codes, with ISI components

## 15 Other finance

- 5223 Activities related to credit intermediation
- 5224 Non-depository credit intermediation, except branches and agencies
- 5231 Securities and commodity contracts intermediation and brokerage
- 5238 Other financial investment activities and exchanges
- 5252 Funds, trusts, and other financial vehicles<sup>2</sup>
- 5331 Lessors of nonfinancial intangible assets (except copyrighted works)

## 16 Real estate

- 5310 Real estate

## 17 Information

- 5111 Newspaper, periodical, book, and directory publishers
- 5112 Software publishers
- 5121 Motion picture and video industries
- 5122 Sound recording industries
- 5151 Radio and television broadcasting
- 5152 Cable and other subscription programming
- 5173 Wired and wireless telecommunications carriers
- 5174 Satellite telecommunications
- 5179 Other telecommunications
- 5182 Data processing, hosting, and related services
- 5191 Other information services

## 18 Professional, scientific, and technical services

- 5411 Legal services
- 5412 Accounting, tax preparation, bookkeeping, and payroll services
- 5413 Architectural, engineering, and related services
- 5414 Specialized design services
- 5415 Computer systems design and related services
- 5416 Management, scientific, and technical consulting services
- 5417 Scientific research and development services
- 5418 Advertising, public relations, and related services
- 5419 Other professional, scientific, and technical services

<sup>2</sup> Only the portion of ISI code 5252 that does not include estates and trusts

## 19 Other services

- 1150 Support activities for agriculture and forestry
- 2132 Support activities for oil and gas operations
- 2133 Support activities for mining, except for oil and gas operations
- 5321 Automotive equipment rental and leasing
- 5329 Other rental and leasing services
- 5611 Office administrative services
- 5612 Facilities support services
- 5613 Employment services
- 5614 Business support services
- 5615 Travel arrangement and reservation services
- 5616 Investigation and security services
- 5617 Services to buildings and dwellings
- 5619 Other support services
- 5620 Waste management and remediation services
- 6110 Educational services
- 6210 Ambulatory health care services
- 6220 Hospitals
- 6230 Nursing and residential care facilities
- 6240 Social assistance
- 7110 Performing arts, spectator sports, and related industries
- 7121 Museums, historical sites, and similar institutions
- 7130 Amusement, gambling, and recreation industries
- 7210 Accommodation
- 7220 Food services and drinking places
- 8110 Repair and maintenance
- 8120 Personal and laundry services
- 8130 Religious, grantmaking, civic, professional, and similar organizations

## *Manufacturing, including fabricating, assembling, and processing of goods:*

## 20 Food

- 3111 Animal foods
- 3112 Grain and oilseed milling
- 3113 Sugar and confectionery products
- 3114 Fruit and vegetable preserving and specialty foods
- 3115 Dairy products
- 3116 Meat products
- 3117 Seafood product preparation and packaging
- 3118 Bakery products and tortillas
- 3119 Other food products

## 21 Beverages and tobacco products

- 3121 Beverages
- 3122 Tobacco

## 22 Pharmaceuticals and medicine

- 3254 Pharmaceuticals and medicines

## 23 Other chemicals

- 3251 Basic chemicals
- 3252 Resins, synthetic rubbers, and artificial and synthetic fibers and filaments
- 3253 Pesticides, fertilizers, and other agricultural chemicals
- 3255 Paints, coatings, and adhesives
- 3256 Soap, cleaning compounds, and toilet preparations
- 3259 Other chemical products and preparations

## 24 Nonmetallic mineral products

- 3271 Clay products and refractories
- 3272 Glass and glass products
- 3273 Cement and concrete products
- 3274 Lime and gypsum products
- 3279 Other nonmetallic mineral products

## 25 Primary and fabricated metal products

- 3311 Iron and steel mills
- 3312 Steel products from purchased steel
- 3313 Alumina and aluminum production and processing
- 3314 Nonferrous metal (except aluminum) production and processing
- 3315 Foundries
- 3321 Forging and stamping
- 3322 Cutlery and hand tools
- 3323 Architectural and structural metals
- 3324 Boilers, tanks, and shipping containers
- 3325 Hardware
- 3326 Spring and wire products
- 3327 Machine shop products, turned products, and screws, nuts, and bolts
- 3328 Coating, engraving, heat treating, and allied activities
- 3329 Other fabricated metal products

## FOREIGN PARENT AND UBO INDUSTRY CODES

Two-digit codes, with ISI components

### 26 Computer and electronic products

- 3341 Computer and peripheral equipment
- 3342 Communications equipment
- 3343 Audio and video equipment
- 3344 Semiconductors and other electronic components
- 3345 Navigational, measuring, electromedical, and control instruments
- 3346 Manufacturing and reproducing magnetic and optical media

### 27 Machinery

- 3331 Agriculture, construction, and mining machinery
- 3332 Industrial machinery
- 3333 Commercial and service industry machinery
- 3334 Ventilation, heating, air-conditioning, and commercial refrigeration equipment
- 3335 Metalworking machinery
- 3336 Engines, turbines, and power transmission equipment
- 3339 Other general purpose machinery

### 28 Electrical equipment, appliances and components

- 3351 Electric lighting equipment
- 3352 Household appliances
- 3353 Electrical equipment
- 3359 Other electrical equipment and components

### 29 Motor vehicles and parts

- 3361 Motor vehicles
- 3362 Motor vehicle bodies and trailers
- 3363 Motor vehicle parts

### 30 Other transportation equipment

- 3364 Aerospace products and parts
- 3365 Railroad rolling stock
- 3366 Ship and boat building
- 3369 Other transportation equipment

### 31 Other manufacturing

- 3130 Textile mills
- 3140 Textile product mills
- 3150 Apparel
- 3160 Leather and allied products

- 3210 Wood products
- 3221 Pulp, paper, and paperboard mills
- 3222 Converted paper products
- 3231 Printing and related support activities
- 3261 Plastics products
- 3262 Rubber products
- 3370 Furniture and related products
- 3391 Medical equipment and supplies
- 3399 Other miscellaneous manufacturing

### 32 Petroleum manufacturing, including integrated petroleum and petroleum refining without extraction

- 3242 Integrated petroleum refining and extraction
- 3243 Petroleum refining without extraction
- 3244 Asphalt and other petroleum and coal products



## AGRICULTURE, FORESTRY, FISHING, AND HUNTING

The agriculture, forestry, fishing, and hunting sector (ISI codes 1110–1150) comprises businesses that are engaged in growing crops, raising animals, harvesting timber, and harvesting fish and other animals from a farm, ranch, or their natural habitats. The sector distinguishes two basic activities: agricultural production and agricultural support activities. Agricultural production includes businesses performing the complete farm or ranch operation, such as farm owner-operators, tenant farm operators, and sharecroppers. Agricultural support activities include businesses that perform one or more activities associated with farm operation, such as soil preparation, planting, harvesting, and management, on a contract or fee basis.

### 1110 Crop production

(2017 NAICS code 111)

Businesses engaged in growing crops for food and fiber.

Examples of such crops include:

- Corn
- Cotton
- Dry peas and beans
- Fruits and tree nuts
- Maple sap
- Mushrooms
- Potatoes
- Soybeans and other oilseeds
- Sugarcane and sugarbeets
- Tobacco
- Vegetables and melons
- Wheat

Also included are nursery and tree production (trees with growth cycles of 10 years or less) and floriculture production.

**NOTE** – Managing farms without owning and/or operating the farms is classified in ISI cod 1150.

### 1120 Animal production and aquaculture

(2017 NAICS code 112)

Businesses that raise or fatten animals for the sale of animals or animal products and/or raise aquatic plants and animals in controlled or selected aquatic environments for the sale of aquatic plants, animals, or their products.

Examples of businesses in, or products of, this industry include:

- Beef cattle ranches, farms, and feedlots
- Dairy cattle and milk production
- Farm-raised fish
- Fur-bearing animals
- Hog and pig farms
- Horses
- Poultry and egg products

**NOTE** – The catching or taking of fish from their natural habitat is classified in ISI code 1140.

**1130 Forestry and logging**  
(2017 NAICS code 113)

Businesses in this industry grow and harvest timber on a long production cycle of 10 years or more. They engage in the operation of timber tracks for the purpose of selling standing timber. These businesses also grow trees for reforestation or gather forest products such as barks, fibers, ginseng, gums, and truffles.

**NOTE** – Growing short-rotation woody trees with a growth cycle of less than 10 years is classified in ISI code 1110.

Gathering maple sap is classified in ISI code 1110.

Acting as lessors of land with trees as real estate property is classified in ISI code 5310.

**1140 Fishing, hunting, and trapping**  
(2017 NAICS code 114)

Businesses engaged in:

- Commercial catching or taking of finfish, shellfish, or miscellaneous marine products from a natural habitat
- Commercial hunting or trapping
- Operating game or hunting preserves

**NOTE** – The farm-raising of finfish and shellfish are classified in ISI code 1120.

The commercial catching or taking and processing of fresh fish such as canning and freezing on the fishing vessel are classified in ISI code 3117.

Operating nature preserves is classified in ISI code 7121.

**1150 Support activities for agriculture and forestry**  
(2017 NAICS code 115)

Businesses that provide support services to agricultural and forestry production.

Examples of activities of this industry include:

- Animal breeding services
- Crop production and harvesting services
- Farm labor and management services
- Forestry consulting
- Postharvest crop activities
- Soil preparation services

**NOTE** – Stemming and re-drying tobacco are classified in ISI code 3122.

Landscaping services are classified in ISI code 5617.

## MINING, QUARRYING, AND OIL AND GAS EXTRACTION

The mining, quarrying, and oil and gas extraction sector (ISI codes 2111–2133) comprises businesses that extract naturally occurring mineral solids, such as coal and ores; liquid minerals, such as crude petroleum; and gases, such as natural gas. The term mining is used in the broad sense to include quarrying, well operations, crushing, washing, and other operations performed at the mine site. This sector consists of two basic activities: (1) mine operation and (2) mining support activities. Mine operations are classified according to the natural resource mined.

Businesses engaged in mining operations but whose primary outputs are finished manufactured products are classified in manufacturing. For example, a business operating a granite quarry, producing dimension stone, and further shaping the dimension stone into building stone would be classified in manufacturing. Conversely, a mine that manufactures a small amount of finished products would be classified in mining.

### 2111 Oil and gas extraction

(2017 NAICS code 211)

Businesses engaged in operating oil and gas field properties, including all activities in the preparation of oil and gas up to the point of shipment from the producing property. This includes businesses that have complete responsibility for operating oil and gas wells for others on a contract or fee basis.

Examples of activities in the industry include:

- Drilling, completing, and equipping wells
- Exploring for crude petroleum and natural gas
- Mining and extraction of oil from oil shale and oil sands
- Operating separators, emulsion breakers, and desilting equipment
- Producing natural gas and recovering hydrocarbon liquids of oil from oil and gas field gases

**NOTE** – Crude petroleum extraction combined with refining is classified in ISI code 3242.

Businesses primarily engaged in providing support services required for the drilling or operation of oil and gas wells are classified in ISI code 2132.

### 2121 Coal

(2017 NAICS code 2121)

Businesses engaged in developing mine sites or in mining and preparing (crushing, screening, washing, sizing, etc.) the following minerals:

- Anthracite
- Bituminous coal
- Lignite

**NOTE** – The production of coal fuel briquettes and packed fuel is classified in ISI code 3244.

**2123 Nonmetallic minerals**  
(2017 NAICS code 2123)

Businesses engaged in developing mine sites or in mining, quarrying, and preparing (crushing, screening, washing, sizing, etc.) nonmetallic minerals (other than coal, oil, and gas) such as:

- Chemical and fertilizer minerals, such as celestite, fluorspar, barite, and sulphur
- Clay, ceramic, and refractory minerals
- Crushed and broken limestone and granite
- Dimension stone
- Gypsum, mica, and talc
- Phosphate
- Potash, soda, and borate
- Sand and gravel

**NOTE** – Production of phosphoric acid, superphosphates, or other manufactured phosphate compounds or chemicals is classified in ISI code 3253.

Grinding, pulverizing, or otherwise treating clay, ceramic, and refractory minerals is classified in ISI code 3271.

Production of lime is classified in ISI code 3274.

Dressing of dimension stone and other crushed and ground minerals such as talc, mica, and feldspar is classified in ISI code 3279.

**2124 Iron ores**  
(2017 NAICS code 21221)

Businesses engaged in developing mine sites or in mining and preparing (crushing, screening, washing, sizing, etc.) iron ores and manganese ores, or producing sinter and other agglomerates.

**NOTE** – Operating blast furnaces to produce pig iron is classified in ISI code 3311.

**2125 Gold and silver ores**  
(2017 NAICS code 21222)

Businesses engaged in developing mine sites or in mining and preparing (crushing, screening, washing, sizing, etc.) ores valued chiefly for their gold and silver content. The transformation of these ores into bullion or doré bar in combination with mining activities is also included in this industry.

**NOTE** – Manufacturing gold or silver bullion or dore bar without mining is classified in ISI code 3314.

**2126 Copper, nickel, lead, and zinc ores**  
(2017 NAICS code 21223)

Businesses engaged in developing mine sites or in mining and preparing (crushing, screening, washing, sizing, etc.) ores valued chiefly for their copper, nickel, lead, or zinc content. The transformation of these ores into concentrates is also included in this industry.

**NOTE** – Refining copper concentrates is classified in ISI code 3314.

**2127 Other metal ores**  
(2017 NAICS code 21229)

Businesses engaged in developing mine sites or in mining and preparing (crushing, screening, washing, sizing, etc.) other metal ores such as:

- Antimony
- Columbium
- Ilmenite
- Magnesium
- Molybdenum
- Tungsten
- Uranium-radium-vanadium

**NOTE** – Enriching uranium is classified in ISI code 3251.

**2132 Support activities for oil and gas operations**  
(2017 NAICS code 213111 and 213112)

Businesses engaged in performing oil or gas field services for others, on a contract or fee basis.

Examples of services provided in this industry include:

- Drilling wells for oil or gas field operations
- Exploration
- Grading and building foundations at well locations
- Well surveying

**NOTE** – Complete responsibility for operating oil and gas wells for others on a contract or fee basis is classified in ISI code 2111.

Site preparation and related construction activities are classified in ISI code 2380.

Performing geophysical surveying services for oil and gas on a contract or fee basis is classified in ISI code 5413.

**2133 Support activities for mining, except oil and gas operations**  
(2017 NAICS code 213 except for 213111 and 213112)

Businesses engaged in performing support services, on a contract or fee basis, required for the mining and quarrying of minerals.

Examples of services provided in this industry include:

- Exploration, including prospecting and taking ore samples
- Making geological observations

**NOTE** – Complete responsibility for operating mines for others, on a contract or fee basis, is classified according to the product mined rather than in support activities for mining.

Site preparation and related construction activities are classified in ISI code 2380.

Performing geophysical surveying services for minerals on a contract or fee basis is classified in ISI code 5413.

## UTILITIES

The utilities sector (ISI codes 2211–2213) comprises businesses engaged in the provision of the following utility services: electric power, natural gas, steam supply, water supply, and sewage removal.

**2211 Electric power generation, transmission, and distribution**  
(2017 NAICS code 2211)

Businesses engaged in generating, transmitting, and distributing electric power. This includes hydroelectric, fossil fuel, nuclear, solar, wind, geothermal, and biomass power generation. Also includes brokers or agents that arrange the sale of electricity via power distribution systems operated by others.

**NOTE** – Operating trash incinerators that also generate electricity is classified in ISI code 5620.

**2212 Natural gas distribution**  
(2017 NAICS code 2212)

Businesses that operate natural gas distribution systems, buy gas from the well and sell it to a distribution system, or brokers or agents that arrange the sale of gas over distribution systems operated by others.

**NOTE** – Transmitting natural gas from the producer to the distributor via pipelines is classified in ISI code 4863.

**2213 Water, sewage, and other systems**  
(2017 NAICS code 2213)

Businesses engaged in operating water treatment plants or water supply systems, operating sewer systems or sewage treatment facilities that collect, treat, and dispose of waste, or providing steam, heated air, or cooled air.

**NOTE** – Operating waste treatment or disposal facilities (other than sewer systems or sewage treatment facilities) is classified in ISI code 5620.



## CONSTRUCTION

The construction sector (ISI codes 2360–2380) comprises businesses engaged in the construction of buildings or engineering projects (e.g., highways and utility systems). This sector includes businesses engaged in the preparation of sites for new construction and businesses engaged in the subdividing of land for sale as building sites.

Construction performed by a business primarily engaged in an activity other than construction, for its own account and use, and by its own employees (force construction), is excluded from this industry, and is classified according to the principle activity of the business.

### **2360 Construction of buildings**

(2017 NAICS code 236)

Businesses in this industry are primarily responsible for the construction of buildings. The work performed may include new work, additions, alterations, or maintenance and repairs. Part or all of the production work may be subcontracted to other construction businesses.

Examples of construction products of this industry include:

- Commercial buildings
- Industrial buildings
- Industrial non-building structures, such as incinerators
- Residential building

### **2370 Heavy and civil engineering construction**

(2017 NAICS code 237)

Businesses whose primary activity is the construction of entire engineering projects (e.g., highways and dams) and specialty trade contractors, whose primary activity is the production of a specific component for such projects. The work performed may include new work, additions, alterations, or maintenance and repairs.

Examples of construction projects in this industry include:

- Bridges and tunnels
- Highways and streets
- Irrigation systems
- Land development and subdivision
- Power and communication transmission lines
- Utilities systems construction
- Water mains, sewers, and pipelines

**2380 Specialty trade contractors**

(2017 NAICS code 238)

Businesses engaged in performing specific activities (e.g., pouring concrete, site preparation, plumbing, painting, electrical work) involved in building construction or other activities that are similar for all types of construction but that are not responsible for the entire project. The work performed may include new work, additions, alterations, or maintenance and repairs.

Examples of businesses in this industry include:

- Carpentry and floor contractors
- Electrical contractors
- Foundation, structure, and building exterior contractors
- Heating and air-conditioning contractors
- Masonry and drywall contractors
- Plumbing contractors
- Roofing, siding, and sheet metal contractors
- Site preparation contractors

**NOTE** – Specialty trade contractors performing work relating to heavy construction, such as grading for highways, are classified in ISI code 2370.

## MANUFACTURING

The manufacturing sector (ISI codes 3111–3399) comprises businesses engaged in the mechanical, physical, or chemical transformation of materials, substances, or components into new products. The assembling of component parts of manufactured products is considered manufacturing, except in cases where the activity is classified in construction (i.e., structures).

Manufacturing businesses acquire materials that are products of agriculture, forestry, fishing, mining, and quarrying as well as products of other manufacturing businesses. A business may process the materials itself or may contract with another manufacturer to perform the processing on materials which they provide to the other manufacturer. Both types of businesses are included in manufacturing.

The product produced by a manufacturer may be finished for final consumption or it may be a material input for an entity engaged in further manufacturing. For example, the product of an alumina refinery is the input used in the primary production of aluminum; primary aluminum is the input to an aluminum wire drawing plant; and aluminum wire is the input for a fabricated wire product manufacturer.

Within the manufacturing sector, the individual industries generally reflect distinct production processes related to material inputs, production equipment, and employee skills. In the machinery area, where assembling is a key activity, parts and accessories for manufactured products are classified in the industry of the finished manufactured item when they are made for sale separately. For example, a replacement refrigerator door would be classified with refrigerators and an attachment for a piece of metal working machinery would be classified with metal working machinery. However, components and inputs from other manufacturers are classified based on the production function of the component manufacturer.

Some borderline activities that are classified in manufacturing include:

- Apparel jobbing (assigning materials to contract factories or shops for fabrication or other contract operations) as well as contracting on materials owned by others
- Electroplating, plating, metal heat treating, and polishing for the trade
- Fabricating signs and advertising displays
- Fresh fish packaging (oyster shucking, fish filleting)
- Lapidary work for the trade
- Machine shop work
- Milk bottling and pasteurizing
- Printing and related support activities
- Ready-mix concrete production
- Rebuilding machinery, but not repairing (e.g., automotive parts)
- Ship repair and renovation
- Tire retreading
- Water bottling and processing
- Wood preserving

**Some borderline activities that are not classified in manufacturing include:**

Logging is classified in Forestry and logging (ISI code 1130).

Beneficiating ores is classified in Mining, Quarrying, and Oil and Gas Extraction (ISI codes 2111–2133).

Constructing structures and fabricating at the construction site by contractors are classified in Construction (ISI codes 2360–2380).

Breaking bulk and redistributing in smaller lots, including packaging and repackaging products, such as liquors or chemicals; assembling computers on a custom basis; sorting scrap; mixing paints to customer order; and cutting metals to customer order are classified in Wholesale or Retail Trade (ISI codes 4231–4540).

Publishing and the combined activity of publishing and printing is classified in Information (ISI codes 5111–5191). Although the activity performed is the transformation of information into a product, the value of the product to the consumer lies in the information content, not in the format in which it is distributed (i.e., the book or software).

**3111 Animal foods**

(2017 NAICS code 3111)

Businesses engaged in manufacturing food and feed for animals from ingredients such as grains, oilseed mill products, and meat products.

**3112 Grain and oilseed milling**

(2017 NAICS code 3112)

Examples of products or processes of this industry include:

Breakfast cereals

Fats and oils refining and blending, including blending purchased animal fats and oils with vegetable fats

Flour milling

Malt manufacturing

Rice milling

Shortenings and margarines

Soybean processing

Vegetable oils and fats

Wet milled corn products, such as sweeteners and starches

**NOTE** – The manufacture of:

Rendered or refined animal fats and oils is classified in ISI code 3116.

Prepared flour mixes or doughs from flour ground elsewhere is classified in ISI code 3118.

Table syrups from corn syrup and starch base dessert powders is classified in ISI code 3119.

Coffee substitutes from grain is classified in ISI code 3119.

Malt extracts and syrups is classified in ISI code 3119.

Malt beverages is classified in ISI code 3121.

### **3113 Sugar and confectionery products**

(2017 NAICS code 3113)

Businesses that process agricultural inputs such as sugar cane, beet, and cacao to manufacture sugars, chocolates, or confectioneries. Also, businesses that further process purchased sugar and chocolate.

Examples of businesses in, or products of, this industry include:

- Candy
- Chewing gum
- Chocolate
- Confectioneries
- Granola bars
- Molasses
- Retail candy stores, if confectioneries are manufactured on the premises, and are not for immediate consumption
- Sugars, such as cane and beet

**NOTE** – The manufacture of:

- Maple syrup is classified in ISI code 1110.
- Corn sweeteners by wet milling corn is classified in ISI code 3112.
- Sweetening syrups from corn syrup is classified in ISI code 3119.
- Artificial sweeteners is classified in ISI code 3251.

### **3114 Fruit and vegetable preserving and specialty foods**

(2017 NAICS code 3114)

Businesses engaged in manufacturing frozen foods of vegetable or animal origins or in manufacturing canned, pickled and dried fruits, vegetables, and specialty foods.

Examples of products of this industry include:

- Canned baby foods
- Canned fruits, juices, and vegetables
- Canned (non-seafood) soups
- Catsup, salsa, barbeque sauce, and other tomato-based sauces
- Dried and dehydrated fruits and vegetables
- Dry soup mixes and bouillon made in dehydration plants
- Frozen food specialties such as dinners, entreés, and side dishes
- Frozen fruits, juices, and vegetables
- Frozen waffles, pancakes, and french toast
- Frozen whipped toppings
- Jams and jellies
- Pickled fruits and vegetables

**NOTE** – The manufacture of:

- Frozen or canned dairy products is classified in ISI code 3115.
- Frozen or canned meat products is classified in ISI code 3116.
- Frozen or canned seafood soups and products is classified in ISI code 3117.
- Frozen bakery products is classified in ISI code 3118.
- Dry soup mixes and bouillon made from purchased ingredients is classified in ISI code 3119.
- Canned fruit and vegetable drinks is classified in ISI code 3121.

**3115 Dairy products**

(2017 NAICS code 3115)

Businesses engaged in manufacturing dairy products from raw milk, processed milk, and dairy substitutes.

Examples of products of this industry include:

- Butter and cheeses
- Canned, condensed, and evaporated milk
- Fluid milk and cream
- Ice cream, frozen yogurt, and other dairy desserts
- Whipped toppings
- Yogurt

**NOTE** – The manufacture of:

- Margarine or margarine-butter blends is classified in ISI code 3112.
- Frozen whipped toppings is classified in ISI code 3114.

**3116 Meat products**

(2017 NAICS code 3116)

Examples of products or processes of this industry include:

- Animal slaughtering and processing that yields meats, meat by-products, and variety meats
- Lard
- Poultry processing
- Refined animal fats and oils
- Small game processing

**NOTE** – The manufacture of:

- Meat-based animal feeds from carcasses is classified in ISI code 3111.
- Canned meat, small game, and poultry for baby food is classified in ISI code 3114.
- Drying, freezing, and breaking eggs is classified in ISI code 3119.

**3117 Seafood product preparation and packaging**

(2017 NAICS code 3117)

Examples of processes of this industry include:

- Canning seafood (including soup)
- Fresh and frozen seafood processing
- Shucking and packing fresh shellfish
- Smoking, salting, and drying seafoods



### **3118 Bakery products and tortillas**

(2017 NAICS code 3118)

Examples of products of this industry include:

- Breads and other bakery products, if the goods are made on the premises and are not for immediate consumption
- Cookies and crackers
- Dry pasta
- Flour mixes and dough mixes from purchased flour
- Soft pretzels
- Tortillas

**NOTE** – The manufacture of:

Canned or frozen products using pasta or tortillas is classified in ISI code 3114.

Pretzels (except soft) and tortilla chips is classified in ISI code 3119.

Fresh pasta is classified in ISI code 3119.

Retailing bakery products made elsewhere, not for immediate consumption, is classified in ISI code 4450.

Selling bakery products for immediate consumption on premises is classified in ISI code 7220.

### **3119 Other food products**

(2017 NAICS code 3119)

Examples of products of this industry include:

- Coffee and tea
- Dressings, mayonnaise, and other prepared sauces (except tomato based)
- Flavoring syrups, concentrates, and extracts
- Fresh pastas and pizzas
- Natural food colorings
- Peanut butter
- Potato chips, corn chips, popcorn, pretzels (except soft), nuts, and other snack foods
- Powdered drink mixes
- Seasonings, extracts, and spices

**NOTE** – The manufacture of:

Chocolate or candy coated nuts and candy covered popcorn is classified in ISI code 3113.

Chocolate syrup is classified in ISI code 3113.

Tomato-based sauces is classified in ISI code 3114.

Soft pretzels is classified in ISI code 3118.

Bottled or canned ice tea is classified in ISI code 3121.

Synthetic food colorings and natural colorings for non-food uses is classified in ISI code 3251.

### **3121 Beverages**

(2017 NAICS code 3121)

Examples of products or processes of this industry include:

- Beer, ale, lager, and malt liquor
- Distilled and blended liquors
- Ice manufacturing
- Purifying and bottling water
- Soft drinks
- Wines and brandies

**NOTE** – The manufacture of:

- Milk-based drinks is classified in ISI code 3115.
- Soft drink bases is classified in ISI code 3119.
- Non-alcoholic cider is classified in ISI code 3119.
- Dry ice is classified in ISI code 3251.
- Bottling purchased purified water is classified in ISI code 4244.
- Bottling liquors, malt beverages, and wines produced elsewhere is classified in ISI code 4248.

### **3122 Tobacco**

(2017 NAICS code 3122)

Examples of products or processes of this industry include:

- Cigarettes
- Cigars
- Smoking and chewing tobacco
- Stemming or redrying of tobacco

**NOTE** – The manufacture of tobacco pipes or electronic cigarettes is classified in ISI code 3399.

### **3130 Textile mills**

(2017 NAICS code 313)

Businesses engaged in transforming a basic fiber (natural or synthetic) into a product, such as a yarn or fabric, which is further manufactured into usable items, such as apparel, sheets, and towels. The main processes in this industry include preparation and spinning of fiber, knitting or weaving of fabric, and the finishing of the product.

Examples of businesses in this industry include:

- Fabric coating mills
- Fabric mills: broadwoven, narrow, and nonwoven
- Fiber, yarn, and thread mills
- Lace manufacturers
- Textile and fabric finishing mills

**NOTE** – The manufacture of:

- Textile products (except apparel) from purchased fabric is classified in ISI code 3140.
- Apparel from purchased fabric is classified in ISI code 3150.
- Artificial and synthetic fibers is classified in ISI code 3252.

**3140 Textile product mills**  
(2017 NAICS code 314)

Businesses engaged in producing non-apparel textile products using “cut and sew” processes, i.e., purchasing fabric and cutting and sewing the fabric to make the products. This includes businesses primarily engaged in adding decorative stitching such as embroidery on textile products, including apparel, on a contract or fee basis.

Examples of businesses in, or products of, this industry include:

- Carpet and rug mills
- Curtain and linen mills
- Rope, cordage, and twine
- Sheets and towels
- Textile bag and canvas mills
- Tire cord and tire fabric mills

**NOTE** – The manufacture of:

- Lace curtains on lace machines is classified in ISI 3130.
- Luggage is classified in ISI 3160.
- Canvas blinds and shades is classified in ISI 3370.

**3150 Apparel**  
(2017 NAICS code 315)

Businesses engaged in producing garments using “cut and sew” processes, i.e., purchasing fabric and cutting and sewing to make apparel. Also includes the manufacture of apparel by first knitting a fabric and then cutting and sewing the fabric into apparel.

Examples of products of this industry include:

- Athletic wear
- Belts and neckties
- Fur and leather apparel
- Gloves and mittens
- Hats and caps
- Hosiery and socks
- Cut and sew apparel
- Underwear, nightwear, and outerwear
- Work clothing

**NOTE** – The manufacture of:

- Orthopedic hosiery is classified in ISI code 3391.
- Athletic gloves, such as golf and batting gloves, is classified in ISI code 3399.
- Knitting fabric, when not combined with the production of complete apparel, is classified in ISI code 3130.

Businesses primarily engaged in adding decorative stitching such as embroidery on textile products, including apparel, on a contract or fee basis, are classified in ISI code 3140.

### **3160 Leather and allied products**

(2017 NAICS code 316)

Businesses engaged in transforming hides into leather by tanning or curing, and fabricating the leather into products for final consumption. Also includes manufacturers of certain products made from “leather substitutes,” such as rubber, plastic, or textiles.

Examples of products or processes of this industry include:

- Footwear, including plastic and rubber footwear
- Handbags, purses, and wallets
- Leather and hide tanning
- Luggage
- Personal goods made from leather or leather substitutes
- Saddles

**NOTE** – The manufacture of:

- Leather apparel and accessories is classified in ISI code 3150.
- Orthopedic footwear is classified in ISI code 3391.
- Personal goods made of metal is classified in ISI code 3399.

### **3210 Wood products**

(2017 NAICS code 321)

Businesses engaged in the manufacturing of wood products from logs that are cut into bolts, planks, or boards that then may be further cut or shaped by lathes or other shaping tools. Processing may include sawing, planing, shaping, laminating, and assembling.

Examples of products of this industry include:

- Cork products
- Dowels
- Millwork
- Mobile homes
- Prefabricated wood buildings
- Reconstituted wood
- Sawmill products
- Television, stereo, and sewing machine cabinets
- Wood handles
- Veneers, plywood, and engineered wood products
- Wood trusses
- Wood windows and doors

**NOTE** – The manufacture of:

- Wood furniture frames is classified in ISI code 3370.
- Wood burial caskets is classified in ISI code 3399.
- All cabinets except those for televisions, stereos, and sewing machines is classified in ISI code 3370.

### **3221 Pulp, paper, and paperboard mills**

(2017 NAICS code 3221)

Businesses engaged in the manufacture of pulp and paper, including newsprint and paperboard. Pulp is produced by separating cellulose fibers from impurities in wood or other materials. Paper is produced by matting these fibers into a sheet. Businesses that manufacture paper in combination with paper converting are classified in this industry.

### **3222 Converted paper products**

(2017 NAICS code 3222)

Businesses engaged in converting paper or paperboard, without manufacturing paper or paperboard. Converted paper products are produced from paper and other materials by various cutting and shaping techniques. Processing may include coating and laminating.

Examples of products of this industry include:

- Coated and laminated papers, including combinations of paper, plastics film, and metal foils for packaging purposes
- Corrugated and solid fiber boxes
- Fiber cans, tubes, and drums
- Folding and setup paperboard boxes
- Gift wrap paper
- Paper bags
- Sanitary food containers and paper products
- Stationery products and paper office supplies
- Wallpaper

**NOTE** – The manufacture of:

- Paper and/or paperboard and converting those products is classified in ISI code 3221.
- Photographic and blueprint paper is classified in ISI 3259.
- Carbon paper is classified in ISI 3399.

### **3231 Printing and related support activities**

(2017 NAICS code 3231)

Businesses engaged in printing by transferring an image from a plate, screen, or computer file to some medium, such as paper, plastic, metal, apparel and textile articles, or wood. Processes include lithographic, gravure, screen, digital, and flexographic printing. Support activities include bookbinding, plate making, typesetting, and data imaging.

Publishing of printed products, i.e., the reporting, writing, editing, and other processes that are required to create an edition of a newspaper, for example, is treated as an activity in its own right rather than as a subsidiary activity to a manufacturing activity (printing) and is classified in ISI code 5111. A business that also prints what it publishes is classified in ISI code 5111.

Examples of products or processes of this industry include:

- Books
- Business forms
- Digital printing
- Greeting cards
- Newspapers
- Quick printing
- Periodicals

**NOTE** – Printing on fabrics (or “grey goods”) is classified in ISI code 3130.

Duplicating services and photocopying without printing services are classified in ISI code 5614.

**3242 Integrated petroleum extraction and refining**

(part of 2017 NAICS codes 21112 and 32411)

Businesses engaged in both extraction (operating oil field properties) AND refining (separating crude petroleum into component products through such techniques as fractionation, cracking, and distillation).

**NOTE** – Crude petroleum extraction without refining is classified in ISI code 21112.

**3243 Petroleum refining without extraction**

(part of 2017 NAICS code 32411)

Businesses engaged in separating crude petroleum into component products through such techniques as fractionation, cracking, and distillation.

Examples of products of this industry include:

- Biodiesel fuels made in petroleum refineries
- Fuel oils
- Gasoline
- Jet fuel
- Kerosene

**NOTE** – Crude petroleum extraction without refining is classified in ISI code 2111.

Crude petroleum extraction combined with refining is classified in ISI code 3242.

**3244 Asphalt and other petroleum and coal products**

(2017 NAICS code 3241, except 32411)

Businesses engaged in further processing of refined petroleum and coal products.

Examples of products or processes of this industry include:

- Asphalt and tar paving mixtures
- Brake fluids
- Petroleum coke, not produced in petroleum refineries
- Petroleum fuel briquettes, not produced in petroleum refineries
- Petroleum lubricating oils, greases, and waxes, not produced in petroleum refineries
- Roofing cements and coatings from refined petroleum
- Saturating purchased mats and felts with asphalt or tar
- Biodiesel fuels not made in petroleum refineries and blended with purchased refined petroleum

**NOTE** – The manufacture of:

- Paper mats and felts and saturating them with asphalt or tar is classified in ISI code 3221.
- Petrochemicals from refined petroleum is classified in ISI code 3251.
- Synthetic lubricating oils and greases is classified in ISI code 3259.



**3251 Basic chemicals**  
(2017 NAICS code 3251)

Businesses engaged in the transformation of organic and inorganic raw materials by a chemical process.

Examples of products of this industry include:

- Alkalies and chlorine (100 percent) and other inorganic chemicals
- Biodiesel fuels not made in petroleum refineries and not blended with petroleum
- Carbon black
- Charcoal briquettes
- Cyclic crudes
- Dyes, pigments, lakes, and toners
- Ethyl alcohol
- Gum and wood chemicals
- Industrial bleaches
- Industrial gases
- Petrochemicals from refined petroleum or liquid hydrocarbons, such as acyclic aliphatics, benzene, toluene, styrene, and xylene
- Potassium and sodium compounds
- Sulphuric acids
- Synthetic flavors, artificial sweeteners, food dyes, and perfume materials

**NOTE** – The manufacture of:

- Food dyes (except synthetic) is classified in ISI code 3119.
- Household bleaches is classified in ISI code 3256.
- Electrostatic and photographic toners is classified in ISI code 3259.
- Chlorine for swimming pools is classified in ISI code 3259.
- Alumina is classified in ISI code 3313.

Blending purchased biodiesel fuels and purchased refined petroleum is classified in ISI code 3244.

**3252 Resins, synthetic rubbers, and artificial and synthetic fibers and filaments**  
(2017 NAICS code 3252)

Businesses engaged in manufacturing synthetic resins, plastics materials, and nonvulcanizable elastomers, and mixing and blending resins on a custom basis.

Examples of products of this industry include:

- Butyl rubber, latex rubber, silicon rubber, and other synthetic rubbers
- Plastics materials
- Rayon, acetate, nylon, polyester, and other synthetic fibers
- Resins
- Thermoplastic elastomers

**NOTE** – Manufacturing resin adhesives is classified in ISI code 3255.

Processing natural, synthetic, or reclaimed rubber into intermediate or final products is classified in ISI code 3262.

### **3253 Pesticides, fertilizers, and other agricultural chemicals**

(2017 NAICS code 3253)

Businesses engaged in manufacturing nitrogenous or phosphatic materials and mixing those ingredients into fertilizers, or mixing ingredients produced elsewhere into fertilizers, or formulating and preparing agricultural and household pest control chemicals.

Examples of products of this industry include:

- Ammonia fertilizers
- Compost and potting soil
- Herbicides
- Insecticides
- Plant hormones
- Urea

**NOTE** – Manufacturing nitrogenous or phosphatic materials not for use as fertilizers is classified in ISI code 3251.

### **3254 Pharmaceuticals and medicines**

(2017 NAICS code 3254)

Businesses engaged in one or more of the following activities: (1) manufacturing biological and medicinal products; (2) processing (i.e., grading, grinding, and milling) botanical drugs and herbs; (3) isolating active medicinal principals from botanical drugs and herbs; and (4) manufacturing pharmaceutical products intended for internal and external consumption in such forms as ampoules, tablets, capsules, vials, ointments, powders, solutions, and suspensions.

Examples of products of this industry include:

- Alkaloids
- Antibiotics
- Blood derivatives
- Botanicals
- Endocrine substances
- In-vitro and in-vivo diagnostics
- Vaccines
- Vitamins

### **3255 Paints, coatings, and adhesives**

(2017 NAICS code 3255)

Businesses engaged in mixing pigments, solvents, and binders into paints, stains, and other coatings or manufacturing allied paint products and adhesives.

Examples of products of this industry include:

- Caulking compounds
- Enamels
- Glues
- Paint
- Paint and varnish removers
- Varnishes, lacquers, and shellacs
- Wood sealers and preservers

**NOTE** – The manufacture of:

- Turpentine is classified in ISI code 3251.
- Artists' paints is classified in ISI code 3399.

### **3256 Soap, cleaning compounds, and toilet preparations**

(2017 NAICS code 3256)

Businesses engaged in manufacturing and packaging soap and other cleaning compounds, surface active agents, and toilet preparations.

Examples of products of this industry include:

- Air and room fresheners
- Household bleaches
- Laundry and dishwashing detergents
- Natural glycerin
- Oven cleaners
- Perfumes, cosmetics, creams, and lotions
- Toothpaste and denture cleaners
- Wetting agents, emulsifiers, and penetrants

**NOTE** – Manufacturing industrial bleaches and synthetic glycerin is classified in ISI code 3251.

### **3259 Other chemical products and preparations**

(2017 NAICS code 3259)

Examples of products of this industry include:

- Aerosol packaging (mixing chemicals and propellant in aerosol cans)
- Antifreeze
- Custom compounding of purchased plastics resins
- Explosives
- Gelatin (except medicinal and dessert gelatins)
- Matches
- Photographic (sensitized) film, paper, plates, and chemicals
- Printing ink

**NOTE** – The manufacture of:

- Medicinal gelatin is classified in ISI code 3254.
- Dessert gelatin is classified in ISI code 3119.

### **3261 Plastics products**

(2017 NAICS code 3261)

Businesses engaged in the processing of new or spent (recycled) plastics resins into intermediate or final products, using processes such as compression molding, extrusion molding, injection molding, blow molding, and casting.

Examples of products of this industry include:

- Laminated plastics plates, sheets, and shapes
- Plastics bottles
- Plastics cups and dinnerware
- Plastics pipes and fittings
- Plastics plumbing fixtures, such as bathtubs and shower stalls
- Plastics resilient floor coverings
- Plastics siding
- Polystyrene and urethane foam
- Unsupported plastics films, sheets, and bags
- Unsupported plastics profile shapes, such as rods and tubes

**NOTE** – The manufacture of:

Plastics footwear is classified in ISI code 3160.

Coated paper is classified in ISI code 3222.

Plastics hoses is classified in ISI code 3262.

Plastics furniture parts is classified in ISI code 3370.

Assembling plastics components into plumbing fixture fittings such as faucets is classified in ISI code 3329.

**3262 Rubber products**  
(2017 NAICS code 3262)

Businesses engaged in processing natural, synthetic, or reclaimed rubber materials into intermediate or final products using processes such as vulcanizing, cementing, molding, extruding, and lathe-cutting.

Examples of products or processes of this industry include:

Latex foam

Prophylactics

Rebuilding and retreading tires

Rubber and plastics hoses and belting

Rubber floor mats and stair treads

Rubber medical sundries

Tire repair materials

Tires and inner tubes from natural and synthetic rubber

Tread rubber

**NOTE** – The manufacture of:

Rubber footwear is classified in ISI code 3160.

Rubber gaskets, packing, and sealing devices is classified in ISI code 3399.

Repairing tires is classified in ISI code 8110.

**3271 Clay products and refractories**  
(2017 NAICS code 3271)

Businesses engaged in transforming mined or quarried clay and like materials into bricks, refractory, and ceramic products. Processes used include shaping, molding, glazing, and firing raw materials. Heat and chemicals are often used to change the composition and properties of the intended product.

Examples of products of this industry include:

Bricks and other structural clay products

Ceramic wall and floor tiles

Clay and vitreous china plumbing fixtures

Crucibles and furnace linings

Earthenware and vitreous china table and kitchen articles

Porcelain electric supplies

Pottery

**NOTE** – The manufacture of:

Enameled iron and steel plumbing fixtures is classified in ISI code 3329.

Ferrite microwave devices and electronic components is classified in ISI code 3344.

### **3272 Glass and glass products**

(2017 NAICS code 3272)

Businesses engaged in manufacturing glass and glass products. Glass products may be produced from purchased glass.

Examples of products of this industry include:

- Flat glass
- Glass containers
- Glassware
- Pressed and blown glass
- Unsheathed fiber optic material

**NOTE** – The manufacture of:

- Glass wool (fiberglass) insulation is classified in ISI code 3279.
- Optical lenses is classified in ISI code 3333.
- Fiber optic cable from purchased fiber optic strands is classified in ISI code 3359.
- Ophthalmic lenses is classified in ISI code 3391.

### **3273 Cement and concrete products**

(2017 NAICS code 3273)

Businesses engaged in manufacturing hydraulic cement from mined, quarried, manufactured, or purchased lime. Businesses engaged in manufacturing concrete from mined, quarried, or purchased sand and gravel.

Examples of products of this industry include:

- Concrete brick and block
- Concrete pipe
- Portland cement
- Ready-mix concrete

**NOTE** – The manufacture of:

- Lime is classified in ISI code 3274.
- Dry mix concrete is classified in ISI code 3279.

### **3274 Lime and gypsum products**

(2017 NAICS code 3274)

Businesses engaged in manufacturing lime from mined, quarried, collected, or purchased calcitic or dolomitic limestone or other calcareous material. Businesses engaged in manufacturing gypsum products from mined, quarried, or purchased gypsum.

Examples of products of this industry include:

- Lime
- Plaster
- Plasterboard
- Wallboard

**3279 Other nonmetallic mineral products**

(2017 NAICS code 3279)

Examples of products of this industry include:

- Abrasives and abrasive products
- Cut stone and stone products
- Dry mix concrete
- Fiberglass insulation
- Ground or treated mineral and earth
- Mica products
- Mineral wool
- Synthetic gemstones

**NOTE** – Manufacturing metallic scouring pads and steel wool is classified in ISI code 3329.

**3311 Iron and steel mills**

(2017 NAICS code 3311)

Examples of products or processes of this industry include:

- Direct reduction of iron ore
- Ferroalloys
- Pig iron conversion into steel
- Pig iron manufacturing in molten or solid form
- Steel pipes and tubes
- Steel shapes, such as plates, sheets, strips, rods, wire, and bars

**3312 Steel products from purchased steel**

(2017 NAICS code 3312)

Businesses engaged in manufacturing iron and steel pipe and tube, drawing steel wire, and rolling shapes from purchased iron or steel.

**NOTE** – Manufacturing wire products from purchased wire is classified in ISI code 3326.

**3313 Alumina and aluminum production and processing**

(2017 NAICS code 3313)

Examples of products or processes of this industry include:

- Alumina refining, generally from bauxite
- Aluminum alloys, powder, paste, or flake
- Aluminum primary production from alumina
- Aluminum shape production, such as sheet, plate, foil, rod, bar, pipe, tube, and wire
- Aluminum smelting (secondary) from scrap or dross

**NOTE** – Manufacturing aluminum oxide abrasives and refractories is classified in ISI code 3279.



### **3314 Nonferrous metal (except aluminum) production and processing**

(2017 NAICS code 3314)

Businesses engaged in smelting ores, such as copper, lead, and zinc, into nonferrous metals; primary refining of nonferrous metals using electrolytic or other processes; or rolling, drawing, extruding, and alloying of copper and other nonferrous metals.

**NOTE** – Mining and producing copper and other nonferrous concentrates, including gold and silver bullion, by processes such as solvent extraction or electrowinning is classified in ISI codes 2125, 2126, or 2127.

Primary production and secondary smelting of aluminum are classified in ISI code 3313.

Die-casting purchased copper is classified in ISI code 3315.

Manufacturing wire products from purchased copper wire is classified in ISI code 3326.

Insulating purchased copper and nonferrous wire is classified in ISI code 3359.

### **3315 Foundries**

(2017 NAICS code 3315)

Businesses engaged in pouring molten metal into molds or dies to form castings. Foundries may clean and deburr the castings they manufacture. More involved processes, such as tapping, threading, milling, or machining to tight tolerances that transform castings into more finished products are classified in other manufacturing industries.

Examples of businesses in this industry include:

- Iron foundries that manufacture castings such as cast iron pipe, skillets, and manhole covers

- Nonferrous metal foundries, such as aluminum foundries

- Steel foundries

**NOTE** – Businesses both producing castings and further manufacturing them using processes such as machining or assembling to create a specific manufactured product are classified in the industry of the finished product.

### **3321 Forging and stamping**

(2017 NAICS code 3321)

Businesses engaged in manufacturing iron, steel, and nonferrous forgings and stampings from purchased metals.

Examples of products of this industry include:

- Crowns and closures

- Custom roll forming metal products

- Metal stamped and spun products (except automotive, cans, and coins)

- Powder metallurgy products

**NOTE** – The manufacture of:

- Iron and steel forgings in integrated iron and steel mills is classified in ISI code 3311.

- Automotive stampings is classified in ISI code 3363.

**3322 Cutlery and hand tools**  
(2017 NAICS code 3322)

Examples of products of this industry include:

- Cutlery and flatware of nonprecious and precious plated metal
- Kitchen utensils and pots and pans, stamped or spun
- Non-electric kitchen tools, such as can openers and peelers
- Non-powered hand tools and edge tools, such as pliers, wrenches, and screwdrivers
- Safety razors and razor blades
- Saw blades and handsaws
- Scissors and shears
- Yard tools, such as rakes, shovels, and wheelbarrows

**NOTE** – The manufacture of:

- Cast metal kitchen utensils and cookware is classified in ISI code 3315.
- Power-driven hand tools is classified in ISI code 3339.
- Precious metal (except precious plated) and pewter cutlery and flatware is classified in ISI code 3399.

**3323 Architectural and structural metals**  
(2017 NAICS code 3323)

Examples of products of this industry include:

- Bar joists, concrete reinforcing bars, and other fabricated structural metal products
- Fabricated metal plate work
- Flumes, ducts, and dampers and other sheet metal work
- Metal railings, fences, and moldings and other ornamental and architectural metal products
- Metal-framed windows and metal doors
- Prefabricated metal buildings, panels, and sections

**NOTE** – The manufacture of:

- Metal covered wood framed windows and doors is classified in ISI code 3210.
- Mobile homes is classified in ISI code 3210.

**3324 Boilers, tanks, and shipping containers**  
(2017 NAICS code 3324)

Examples of products of this industry include:

- Bulk storage tanks
- Metal cans, barrels, drums, kegs, and pails
- Power boilers and heat exchangers
- Steam condensers

**NOTE** – Manufacturing heating boilers and hot water heating boilers is classified in ISI code 3334.

**3325 Hardware**

(2017 NAICS code 3325)

Examples of products of this industry include:

- Locks (except coin-operated and time locks) and keys
- Metal handles and knobs
- Metal hinges and latches

**NOTE** – The manufacture of:

- Nails and spikes from wire drawn elsewhere is classified in ISI code 3326.
- Bolts, nuts, screws, rivets, and washers is classified in ISI code 3327.
- Coin-operated locking mechanisms is classified in ISI code 3333.
- Time locks is classified in ISI code 3345.

**3326 Spring and wire products**

(2017 NAICS code 3326)

Businesses engaged in manufacturing heavy gauge springs by processes including cutting, bending, and heat winding metal rods or strip stock, or engaged in manufacturing light gauge springs and fabricated wire products from wire drawn elsewhere.

Examples of products of this industry include:

- Barbed wire
- Chain link fencing
- Heavy and light gauge springs
- Nails
- Paper clips and staples
- Wire carts
- Wire garment hangers
- Wire rope, cable, and strands
- Wire screening

**NOTE** – Manufacturing watch and clock springs from purchased wire is classified in ISI code 3345.

**3327 Machine shop products, turned products, and screws, nuts, and bolts**

(2017 NAICS code 3327)

Businesses engaged in:

- Operating machine shops engaged in machining metal and plastic parts on a job or order basis using machine tools such as lathes, automatic screw machines, and machines for boring, grinding, milling, and additive manufacturing
- Machining precision turned products
- Manufacturing metal bolts, nuts, screws, rivets, and washers

**3328 Coating, engraving, heat treating, and allied activities**

(2017 NAICS code 3328)

Businesses engaged in:

- Electroplating, plating, anodizing, coloring, and finishing metals and metal products
- Enameling, lacquering, and varnishing metals and metal products
- Engraving, chasing, or etching metals and metal products (except printing plates, jewelry, and precious metal products)
- Heat treating metals and metal products
- Hot dip galvanizing metals and metal products
- Powder coating metals and metal products

**3329 Other fabricated metal products**

(2017 NAICS code 3329)

Examples of products of this industry include:

- Ball and roller bearings
- Enameled iron and metal sanitary ware, sinks, bathtubs, and toilets
- Fabricated pipes and fittings
- Fluid power valves and hose fittings
- Industrial patterns, such as foundry cores
- Industrial valves
- Metal ladders
- Plumbing fixture fittings and trim, metal and plastics, such as faucets, shower heads, and flush valves
- Safes and vaults
- Small arms, ordnance, and ammunition
- Steel wool

**NOTE** – The manufacture of:

- Plastics plumbing fixtures, such as plastics tubs and shower stalls, is classified in ISI code 3261.
- Cast iron pipes and fittings is classified in ISI code 3315
- Safe and vault locks is classified in ISI code 3325.
- Intake and exhaust valves for internal combustion engines is classified in ISI code 3363.

**3331 Agriculture, construction, and mining machinery**

(2017 NAICS code 3331)

Businesses engaged in manufacturing farm machinery and equipment, construction equipment, mining equipment, and logging and forestry equipment.

Examples of products of this industry include:

- Bulldozers
- Coal breakers
- Concrete mixers
- Core and rock drills
- Farm machinery and equipment (except farm conveyors)
- Farm tractors
- Lawnmowers and other powered home lawn and garden equipment
- Mine carts
- Oil and gas field equipment
- Pavers
- Planting, seeding, fertilizing, and harvesting machinery

**NOTE** – The manufacture of:

Farm hand tools and non-powered lawnmowers and other garden equipment is classified in ISI code 3322.

Coal and ore conveyors and farm conveyors and elevators is classified in ISI code 3339.

Offshore oil and gas well drilling and floating production platforms is classified in ISI code 3366.

**3332 Industrial machinery**  
(2017 NAICS code 3332)

Examples of products of this industry include:

Bookbinding, typesetting, and other printing machinery

Chemical processing machinery and equipment

Petroleum manufacturing equipment

Food and beverage manufacturing machinery, such as:

Bakery ovens

Dough mixers

Ice cream freezers

Meat and poultry preparation equipment

Laboratory distilling equipment

Plastics compression, extrusion, injection molding, and other plastics and rubber industry machinery

Pulp, paper, and paper product machinery

Sawmill and woodworking machinery (except handheld), such as:

Band saws

Circular saws

Sanding machinery

Semiconductor machinery, such as wafer processing equipment

Sewing machines (including household)

Textile machinery

**NOTE** – The manufacture of:

Planes, axes, drawknives, and handsaws is classified in ISI code 3322.

Power-driven hand tools is classified in ISI code 3339.

Packaging machinery is classified in ISI code 3339.

**3333 Commercial and service industry machinery**  
(2017 NAICS code 3333)

Examples of products of this industry include:

- Automotive maintenance equipment, except mechanic's hand tools
- Commercial cooking equipment
- Commercial laundry, dry cleaning, and pressing machines
- Calculators
- Optical instrument and lens manufacturing, such as:
  - Binoculars
  - Lenses (except ophthalmic focus)
  - Microscopes
- Photographic and photocopying equipment, such as:
  - Cameras (except television and video cameras)
  - Film development equipment
  - Projectors
- Vending machines

**NOTE** – The manufacture of:

- Sensitized film, paper, cloth, and plates is classified in ISI code 3259.
- Mechanic's hand tools is classified in ISI code 3322.
- Computers and peripheral equipment is classified in ISI code 3341.
- Video cameras (broadcast and studio) is classified in ISI code 3342.
- Facsimile equipment is classified in ISI code 3342.
- Video cameras (except broadcast and studio) is classified in ISI code 3343.
- Timeclocks is classified in ISI code 3345.
- Ophthalmic focus lenses, such as eyeglass lenses and contact lenses, is classified in ISI code 3391.

**3334 Ventilation, heating, air-conditioning, and commercial refrigeration equipment**  
(2017 NAICS code 3334)

Examples of products of this industry include:

- Air-conditioning (except motor vehicle) equipment, such as central and room air conditioners
- Air purification equipment, such as industrial dust and fume collection equipment and warm air furnace filters
- Attic fans
- Commercial refrigeration equipment, such as water coolers, soda fountains, and beer dispensing equipment
- Heating equipment, such as:
  - Furnaces
  - Heating boilers and stoves
  - Wall and baseboard heating units
- Industrial and commercial fans and blowers, such as exhaust and ventilating fans
- Industrial refrigeration equipment
- Laboratory freezers

**NOTE** – The manufacture of:

- Industrial process furnaces and ovens is classified in ISI code 3339.
- Household fans (except attic), portable electric space heaters, humidifiers and dehumidifiers, and refrigerators and freezers is classified in ISI code 3352.
- Motor vehicle air conditioners and compressors is classified in ISI code 3363.

### **3335 Metalworking machinery**

(2017 NAICS code 3335)

Businesses engaged in manufacturing machinery that cuts, molds, and shapes metal.

Examples of products of this industry include:

- Cutting tools and machine tools accessories, such as twist drills and counter sinks

- Industrial molds, such as die-casting and foundry-casting molds

- Machine tools, such as:

  - Die-casting machines

  - Forging machines

  - Lathes

  - Milling machines

- Metal molds for plaster, plastics, rubber, and glass working machinery

- Rolling mill machinery and equipment

- Special dies and tools, die sets, and jigs and fixtures

- Wire drawing and fabricating machines

**NOTE** – The manufacture of:

- Cutting dies (except metal cutting) is classified in ISI code 3322.

- Welding and soldering equipment is classified in ISI code 3339.

### **3336 Engines, turbines, and power transmission equipment**

(2017 NAICS code 3336)

Examples of products of this industry include:

- Electric outboard motors

- Gasoline and diesel engines, except motor vehicle and aircraft

- Industrial high-speed drives and gears

- Mechanical power transmission equipment, except motor vehicle and aircraft, such as:

  - Brakes

  - Clutches

  - Joints

  - Plain bearings and bushings

- Speed changers

- Turbine and turbine generator set units, such as steam, hydraulic, gas, and wind

**NOTE** – The manufacture of:

- Motor vehicle engines and power transmission equipment is classified in ISI code 3363.

- Gasoline aircraft engines, transmission equipment, and turbines is classified in ISI code 3364.

**3339 Other general purpose machinery**  
(2017 NAICS code 3339)

Examples of products of this industry include:

- Air and gas compressors
- Fluid power cylinders, actuators, pumps, and motors
- Industrial process furnaces and ovens
- Laboratory centrifuges
- Material handling equipment, such as:
  - Automobile lifts
  - Conveyors
  - Elevators and escalators
  - Industrial trucks and tractors
  - Overhead traveling cranes
- Nonagricultural spraying and dusting equipment
- Packaging machinery
- Power-driven hand tools
- Pumps and pumping equipment
- Scales and balances
- Welding and soldering equipment

**NOTE** – The manufacture of:

- Handheld soldering tools is classified in ISI code 3322.
- Farm type tractors, agricultural spraying and dusting equipment, and construction cranes is classified in ISI code 3331.
- Bakery ovens and industrial kilns is classified in ISI code 3332.
- Industrial refrigeration and air-conditioning compressors is classified in ISI code 3334.
- Transformers for arc-welding is classified in ISI code 3353.
- Pumps and compressors for motor vehicles is classified in ISI code 3363.

**3341 Computer and peripheral equipment**  
(2017 NAICS code 3341)

Businesses engaged in the design and use of integrated circuits and the application of highly specialized miniaturization technologies in the manufacture of computers and electronic products.

Machinery that incorporates electronic computers for operation or control purposes and embedded control applications are classified in other manufacturing industries based on the classifications of the complete machinery. Also, the manufacture of other parts such as casings, stampings, cable sets, switches, etc. for computers are classified in other manufacturing industries based on their associated production processes.

Examples of products of this industry include:

- Automatic teller machines
- Computer storage devices, such as:
  - CD-ROM drives
  - Hard disk drives
  - Tape storage and backup drives
- Computer terminals
- Electronic computers, such as:
  - Laptops
  - Mainframes
  - Personal computers
  - Servers
  - Workstations



Peripheral equipment such as:  
Keyboards  
Mice, trackballs, and joystick devices  
Monitors  
Optical and bar code scanners  
Plotters  
Printers

**NOTE** – The manufacture of:

Digital cameras is classified in ISI code 3333.

Digital telecommunication switches, and local area network and wide area network communication equipment, such as bridges, routers, and gateways, is classified in ISI code 3342.

Internal loaded printed circuit board devices such as sound, video, and network interface cards; modems; and solid state storage devices for computers is classified in ISI code 3344.

Magnetic and optical recording media is classified in ISI code 3346.

**3342 Communications equipment**

(2017 NAICS code 3342)

Businesses engaged in manufacturing telephone and data communications equipment that may be stand-alone or board-level components of a larger system. Businesses engaged in manufacturing radio and television broadcast and wireless communication equipment.

Examples of products of this industry include:

Answering machines  
Communications antennas  
Facsimile machines  
Fire and security alarm equipment  
Global positioning system equipment  
Intercoms  
Local area network and wide area network communications equipment  
Pagers  
Radios, fixed and mobile  
Space satellites  
Studio and broadcast video cameras  
Switching equipment  
Telephones, wired, cordless, and cellular  
Television broadcast equipment

**NOTE** – The manufacture of:

Household audio and video equipment is classified in ISI code 3343.

Internal and external computer modems, fax/modems and telephone transformers is classified in ISI code 3344.

Communications signal testing and evaluation equipment is classified in ISI code 3345.

### **3343 Audio and video equipment**

(2017 NAICS code 3343)

Businesses engaged in manufacturing electronic audio and video equipment for home entertainment, motor vehicles, public address systems, and musical instrument amplification.

Examples of products of this industry include:

- Amplifiers
- Audio receivers
- Speakers and speaker systems
- Stereo equipment
- Televisions
- Video cameras (except broadcast and studio)
- Digital video recorders

**NOTE** – The manufacture of:

- Mobile radios, such as citizens band and FM transceivers for motor vehicle use, cable decoders, satellite television equipment, and studio and broadcast video cameras is classified in ISI code 3342.

- Phonograph needles and cartridges is classified in ISI code 3344.

### **3344 Semiconductors and other electronic components**

(2017 NAICS code 3344)

Examples of products of this industry include:

- Bare and loaded printed circuit boards
- Electron tubes and parts
- Electronic capacitors, condensers, and resistors
- Electronic coils, transformers, and other inductors
- Electronic switches and transducers
- LCD (liquid crystal display) unit screens
- Light emitting diodes
- Modems
- Semiconductors and related devices, such as:
  - Diodes
  - Integrated circuits
  - Memory chips
  - Optoelectronic devices
  - Transistors

**NOTE** – The manufacture of:

- Glass blanks for electron tubes is classified in ISI code 3272.

- Communications antennas and telephone system modules is classified in ISI code 3342.

- X-ray tubes is classified in ISI code 3345.

**3345 Navigational, measuring, electromedical, and control instruments**  
(2017 NAICS code 3345)

Examples of products of this industry include:

- Aircraft engine instruments
- Automatic environmental controls for residential, commercial, and appliance use, such as:
  - Gas burner controls
  - Humidistats
  - Refrigeration controls
  - Thermostats
  - Communications signal testing and evaluation equipment
- Electromedical and electrotherapeutic apparatus, such as:
  - Electrocardiographs
  - Hearing aids
  - Magnetic resonance imaging equipment
  - Medical ultrasound equipment
  - Pacemakers
- Instruments and related products for measuring, displaying, and controlling industrial process variables, such as:
  - Temperature, humidity, pressure, flow, level, and viscosity
- Instruments for measuring and testing of electricity and electrical signals, such as:
  - Ammeters
  - Circuit testers
  - Voltmeters
  - Wattmeters
- Irradiation apparatus, such as:
  - Computerized axial tomography (CT/CAT scanners) apparatus
  - Gamma-ray equipment
  - X-ray systems
- Laboratory instruments for chemical and physical analysis of solid, fluid, gaseous, or composite material samples, such as:
  - Hematology instruments
  - Ph meters
  - Spectrophotometric instruments
  - Meteorological equipment
  - Radiation detecting equipment
- Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments, such as:
  - Aircraft and missile control systems
  - Gyroscopes
  - Radar
  - Sonar
  - Surveying and drafting equipment
- Totalizing fluid meters and counting devices, such as:
  - Fare collection equipment
  - Parking meters
  - Water and gas meters
  - Watches, clocks, and parts

**NOTE** – The manufacture of:

- Optical alignment and test and inspection equipment is classified in ISI code 3333.
- Global positioning system equipment is classified in ISI code 3342.
- Motor control switches and relays is classified in ISI code 3353.
- Appliance switches is classified in ISI code 3359.
- Nonelectrical medical and therapeutic apparatus is classified in ISI code 3391.

**3346 Manufacturing and reproducing magnetic and optical media**  
(2017 NAICS code 3346)

Examples of products or processes of this industry include:

- Blank magnetic and optical recording media
- Hard drive media
- Laser disks
- Mass duplication of audio, video, software, and other data on magnetic, optical, and similar media
- Mass reproduction of computer software (generally excluding software development) on-to CD-ROMs and game cartridges
- Software and other prerecorded compact discs and tape and record reproducing
- Theatrical duplication of motion pictures

**NOTE** – Designing, developing, or publishing prepackaged software or documentation, and integrated facilities that publish and reproduce software, are classified in ISI code 5112.

Audio and video producing and publishing; integrated facilities that publish and reproduce audio, video, and film materials; and related services are classified in ISI codes 5121 or 5122, depending on the product.

**3351 Electric lighting equipment**  
(2017 NAICS code 3351)

Examples of products of this industry include:

- Commercial, industrial, institutional, and residential lighting fixtures
- Electric lamp bulbs and parts
- Flashlights and other portable lamps
- Lamp shades (except glass and plastics)
- Lanterns

**NOTE** – The manufacture of:

- Plastics lampshades is classified in ISI code 3261.
- Glassware for lighting fixtures is classified in ISI code 3272.
- Light emitting diodes (LEDs) is classified in ISI code 3344.
- Current-carrying wiring devices for lighting fixtures is classified in ISI code 3359.
- Motor vehicle lighting fixtures is classified in ISI code 3363.

**3352 Household appliances**  
(2017 NAICS code 3352)

Examples of products of this industry include:

- Dishwashers and disposals
- Electric blankets and portable electric space heaters
- Refrigerators, freezers, stoves, ovens, and other major household appliances
- Toasters, household vacuum cleaners, ceiling fans, and other small electrical appliances and housewares
- Washers and dryers, household and coin-operated

**NOTE** – The manufacture of:

- Household sewing machines is classified in ISI code 3332.
- Commercial and industrial cooking and cleaning equipment is classified in ISI code 3333.
- Commercial and industrial refrigerators, room air conditioners, attic fans, and commercial ventilation and exhaust fans is classified in ISI code 3334.

**3353 Electrical equipment**  
(2017 NAICS code 3353)

Examples of products of this industry include:

- Motors and generators such as:
  - Fractional and integral horsepower electric motors
  - Land transportation motors and generators
  - Prime mover generator sets
- Power, distribution, and specialty transformers, such as:
  - Fluorescent ballasts
  - Lighting transformers
  - Welding transformers
- Relays and industrial controls, such as:
  - Electronic relays
  - Solenoid switches
- Switchgear and switchboard apparatus, such as:
  - Circuit breakers
  - Control panels
  - Fuses

**NOTE** – The manufacture of:

- Turbine generator set units and electric outboard motors is classified in ISI code 3336.
- Electronic transformers and switches is classified in ISI code 3344.
- Environmental controls and industrial process control instruments is classified in ISI code 3345.
- Switches for electrical wiring is classified in ISI code 3359.
- Starting motors and generators for internal combustion engines is classified in ISI code 3363.

**3359 Other electrical equipment and components**  
(2017 NAICS code 3359)

Examples of products of this industry include:

- Batteries
- Carbon and graphite electrodes and brushes
- Conduits, junction boxes, and other noncurrent-carrying wiring devices
- Current-carrying wiring devices, such as ground fault circuit interrupters and wiring switches
- Electric bells and gongs
- Electrical cord sets
- Electric garage door and other electric openers
- Electrical outlets, switches, and other current-carrying wiring devices
- Fiber-optic cable from purchased fiber-optic strand
- Insulated nonferrous wire and cable from purchased wire
- Industrial capacitors and condensers
- Surge suppressors
- Uninterruptible power supplies

**NOTE** – The manufacture of:

- Porcelain and ceramic insulators is classified in ISI code 3271.
- Unsheathed fiber-optic materials is classified in ISI code 3272.
- Drawn nonferrous wire is classified in ISI code 3313 or 3314 (depending on the material drawn).
- Cable sets consisting of insulated wire and connectors for electronic applications is classified in ISI code 3344.
- Electronic capacitors, condensers, laser diodes, and semiconductor rectifiers is classified in ISI code 3344.

**3361 Motor vehicles**  
(2017 NAICS code 3361)

Businesses engaged in manufacturing complete motor vehicles (body and chassis or unibody), or chassis only.

Examples of products of this industry include:

- Automobiles and minivans
- Buses
- Heavy-duty trucks
- Light trucks and sport utility vehicles
- Motor homes (complete)

**NOTE** – Manufacturing off-highway construction equipment is classified in ISI code 3331.

**3362 Motor vehicle bodies and trailers**  
(2017 NAICS code 3362)

Businesses engaged in manufacturing motor vehicle bodies, cabs, automobile and utility trailers, truck trailer chassis, detachable trailer bodies, and detachable trailer chassis. The products may be sold separately or may be assembled on purchased chassis and sold as complete vehicles.

Examples of products of this industry include:

- Automobile bodies
- Covers for mounting on pickup trucks
- Motor homes on a purchased chassis
- Travel trailers and campers
- Truck bodies
- Truck cabs

**NOTE** – The manufacture of:

- Mobile homes is classified in ISI code 3210.
- Motor homes chassis and assembly of complete motor homes is classified in ISI code 3361.

**3363 Motor vehicle parts**  
(2017 NAICS code 3363)

Examples of products of this industry include:

- Air bags
- Brake systems and related components
- Electrical and electronic equipment for motor vehicles, such as:
  - Alternators
  - Cruise control mechanisms
  - Electronic control modules
  - Ignition apparatus and parts
  - Starters
  - Filters for internal combustion engines
  - Fuel injection systems

Gasoline engine parts, whether or not for vehicular use, such as:

- Carburetors
- Crankshafts
- Pistons
- Valves
- Water pumps
- Gasoline engines for motor vehicles
- Lighting fixtures for vehicles
- Metal stampings
- Motor vehicle air-conditioning systems
- Mufflers
- Radiators
- Seating and interior trim

Steering and suspension components (except springs), such as:

- Ball joints
- Shock absorbers
- Tie rods

Transmissions and power train parts, such as:

- Clutches
- Torque converters
- Universal joints

**NOTE** – The manufacture of:

- Stationary and diesel engines is classified in ISI code 3336.
- Car stereos is classified in ISI code 3343.
- Automotive lamps and bulbs is classified in ISI code 3351.
- Electric motors for motor vehicles is classified in ISI code 3353.
- Batteries is classified in ISI code 3359.

**3364 Aerospace products and parts**  
(2017 NAICS code 3364)

Businesses engaged in (1) manufacturing complete aircraft, missiles, and space vehicles; (2) manufacturing engines, propulsion units, and auxiliary equipment and parts; (3) developing and making prototypes of aerospace products; and (4) factory conversion and overhaul of aircraft and propulsion systems.

Examples of products of this industry include:

- Aircraft
- Aircraft engines, parts, and components
- Guided missiles
- Rockets
- Spacecraft and their parts, except satellites

**NOTE** – The manufacture of:

- Aircraft fluid valve assemblies is classified in ISI code 3329.
- Space satellites is classified in ISI code 3342.
- Aeronautical, navigational, and guidance systems is classified in ISI code 3345.
- Aircraft internal combustion engines and parts is classified in ISI code 3363.

The repair of aircraft or aircraft engines (except overhaul, conversion, or rebuilding) is classified in ISI code 4880.

**3365 Railroad rolling stock**  
(2017 NAICS code 3365)

Examples of products or activities of this industry include:

- Locomotives and their frames and parts, manufacturing and/or rebuilding
- Rail layers and ballast distributors
- Railroad, street, and rapid transit cars
- Railway track maintenance equipment

**NOTE** – Repair businesses owned by railroad and local transit companies are classified in ISI code 4880.

Repair businesses not owned by railroad and local transit companies are classified in ISI code 8110.

**3366 Ship and boat building**  
(2017 NAICS code 3366)

Businesses engaged in operating a shipyard or manufacturing boats. Shipyards are fixed facilities with drydocks and fabrication equipment capable of building a ship. Activities of shipyards include the construction of ships; their repair, conversion, and alteration; the production of pre-fabricated ship and barge sections; and specialized services, such as ship scaling.

Examples of products of this industry include:

- Barges
- Canoes
- Cruise ships
- Freighters
- Offshore oil and gas well drilling and production platforms (whether or not self-propelled)
- Recreational power boats
- Sailboats
- Submarines

**3369 Other transportation equipment**  
(2017 NAICS code 3369)

Examples of products of this industry include:

- Bicycles
- Golf carts
- Military armored vehicles and tanks
- Motorcycles
- Self-propelled weapons
- Snowmobiles



### **3370 Furniture and related products**

(2017 NAICS code 337)

Businesses engaged in producing furniture and related articles. Processes used include cutting, bending, molding, laminating, and assembling materials such as wood, metal, glass, plastics, and rattan. Furniture may be produced on a stock or custom basis and may be shipped assembled or unassembled.

Examples of products of this industry include:

- Bathroom vanities
- Blinds and shades
- Cabinets (except those for televisions, stereos, and sewing machines)
- Custom architectural woodwork and millwork
- Display fixtures
- Furniture frames and parts
- Laboratory furniture (except dental)
- Mattresses
- Metal, wood, plastic, rattan, and wicker household furniture
- Office and institutional furniture and fixtures
- Showcases, partitions, shelving, and lockers
- Upholstered wood household furniture
- Wall shelving units

**NOTE** – The manufacture of:

- Curtains, draperies, and canvas awnings is classified in ISI code 3140.
- Seating for transportation equipment is classified in ISI code 3363.
- Specialized hospital and dental furniture is classified in ISI code 3391.
- Wood cabinets for televisions, stereos, and sewing machines is classified in ISI code 3210.

### **3391 Medical equipment and supplies**

(2017 NAICS code 3391)

Examples of products of this industry include:

- Dental equipment and supplies, such as:
  - Artificial teeth
  - Dental chairs
  - Dental hand instruments
- Ophthalmic goods, such as:
  - Contact lenses
  - Eyeglasses
  - Goggles
  - Sunglasses
- Surgical and medical instruments, appliances, and supplies, such as:
  - Catheters
  - Hospital beds
  - Syringes

**NOTE** – The manufacture of:

- Molded plastic lens blanks is classified in ISI code 3261.
- Molded glass lens blanks is classified in ISI code 3272.
- Laboratory distilling equipment is classified in ISI code 3332.
- Laboratory furnaces, ovens, scales and balances, and centrifuges is classified in ISI code 3339.
- X-ray apparatus and electromedical apparatus is classified in ISI code 3345.
- Retailing and grinding of prescription eyeglasses and contact lenses is classified in ISI code 4461.

**3399 Other miscellaneous manufacturing**  
(2017 NAICS code 3399)

Includes businesses engaged in the following:

**1. Manufacturing jewelry and silverware**

Businesses engaged in one or more of the following: (1) manufacturing, engraving, chasing, or etching jewelry, metal personal goods, or precious metal flatware; (2) stamping coins; (3) manufacturing unassembled jewelry parts; (4) cutting, slabbing, tumbling, carving, engraving, polishing, or faceting precious or semiprecious stones and gems; and (5) drilling, sawing, and peeling cultured and costume pearls.

Examples of jewelry and silverware products include:

- Bracelets
- Brooches and pins
- Lapidary work
- Necklaces
- Precious metal (except precious plated) cutlery
- Rings, precious and costume

**NOTE** – The manufacture of:

- Synthetic stones or gem stones is classified in ISI code 3279.

- Nonprecious and precious plated metal cutlery and flatware is classified in ISI code 3322.

**2. Manufacturing sporting and athletic goods**

Examples of sporting and athletic goods products include:

- Baseball, basketball, football, and soccer equipment
- Billiard and pool tables
- Fishing tackle and equipment

**NOTE** – The manufacture of:

- Athletic apparel is classified in ISI code 3150.

- Athletic footwear is classified in ISI code 3160.

- Small arms and small arms ammunition is classified in ISI code 3329.

**3. Manufacturing dolls, toys, and games**

Examples of doll, toy, and game products include:

- Craft and hobby kits
- Dolls, doll clothes, and action figures
- Games (including electronic)

**NOTE** – The manufacture of:

- Electronic video game cartridges and mass reproduction of these cartridges is classified in ISI code 3346.

- Bicycles and metal tricycles is classified in ISI code 3369.

#### **4. Manufacturing office supplies (except paper)**

Examples of office supply products include:

- Artists' air brushes, palettes, colors, and waxes
- Crayons and chalks
- Pens, pencils, and refill cartridges
- Stamps, hand and embossing
- Staplers and pencil sharpeners

**NOTE** – The manufacture of:

- Paper office supplies is classified in ISI code 3222.
- Inkjet and toner cartridges is classified in ISI code 3259.
- Rubber erasers is classified in ISI code 3262.
- Drafting tables and boards is classified in ISI code 3370.

#### **5. Manufacturing signs**

Businesses engaged in manufacturing signs and related displays of all materials (except printing paper and paperboard).

**NOTE** – Manufacturing die-cut paperboard displays is classified in ISI code 3222.

Printing signs is classified in ISI code 3231.

Sign lettering and painting is classified in ISI code 5418.

#### **6. All other miscellaneous manufacturing**

Examples of other miscellaneous manufactured products include:

- Brooms, brushes, and mops
- Burial caskets
- Candles
- Electronic cigarettes
- Coin-operated amusement machines
- Fasteners, buttons, needles, and pins
- Gaskets, packing, and sealing devices
- Hair pieces
- Musical instruments
- Portable fire extinguishers
- Tobacco pipes
- Umbrellas

## WHOLESALE TRADE

The wholesale trade sector (ISI codes 4231–4251) comprises businesses engaged in wholesaling merchandise, generally without transformation, and rendering services incidental to the sale of merchandise.

The wholesaling process is an intermediate step in the distribution of merchandise. Wholesalers are organized to sell or arrange the purchase or sale of (1) goods for resale (goods sold to other wholesalers or retailers), (2) capital or durable nonconsumer goods, and (3) raw and intermediate materials and supplies used in production.

Wholesalers sell merchandise to other businesses and normally operate from a warehouse or office. These warehouses and offices are characterized by having little or no display of merchandise. In addition, neither the design nor the location of the premises is intended to solicit walk-in traffic. Wholesalers do not normally use advertising directed to the general public. Customers are generally reached initially via telephone, in-person marketing, or by specialized advertising that may include Internet and other electronic means.

In general, wholesaling denotes sales in large volumes, though durable nonconsumer goods may be sold in single units. Sales of capital or durable nonconsumer goods used in the production of goods and services, such as farm machinery, medium- and heavy-duty trucks, and industrial machinery are included in wholesale trade.

The sector comprises two main types of wholesalers: (1) merchant wholesalers that sell goods on their own account and (2) business-to-business electronic markets, agents, and brokers that arrange sales and purchases for others, generally for a commission or fee.

### MERCHANT WHOLESALERS, DURABLE GOODS

#### **4231 Motor vehicle and motor vehicle parts and supplies merchant wholesalers** (2017 NAICS code 4231)

Businesses engaged in the merchant wholesale distribution of products such as:

- Automobiles
- Motor homes
- Motor vehicles supplies, parts, and accessories
- Motorcycles
- Tires and tubes
- Trailers
- Trucks

**NOTE** – Merchant wholesaling of motorized passenger golf carts is classified in ISI code 4238.

**4232 Furniture and home furnishing merchant wholesalers**

(2017 NAICS code 4232)

Businesses engaged in the merchant wholesale distribution of products such as:

- Carpets and other floor surfaces
- China and glassware
- Household-type furniture
- Household-type kitchen utensils and pans
- Linens and towels
- Office furniture
- Public building furniture

**NOTE** – Merchant wholesaling of:

- Hospital beds and medical furniture is classified in ISI code 4234.
- Precious metal flatware is classified in ISI code 4239.

**4233 Lumber and other construction materials merchant wholesalers**

(2017 NAICS code 4233)

Businesses engaged in the merchant wholesale distribution of products such as:

- Asphalt and concrete mixtures
- Brick and stone
- Doors and windows and frames (all materials)
- Fencing
- Glass
- Lumber
- Mobile homes and prefabricated buildings
- Plywood
- Reconstituted wood fiber products
- Roofing, siding, and insulation materials
- Wood and metal millwork

**NOTE** – Merchant wholesaling of:

- Refractory brick is classified in ISI code 4238.
- Timber and timber products is classified in ISI code 4239.

**4234 Professional and commercial equipment and supplies merchant wholesalers**

(2017 NAICS code 4234)

Businesses engaged in the merchant wholesale distribution of products such as:

- Balances and scales
- Commercial cooking and food service equipment
- Computers, peripheral equipment, and software
- Electrical signs
- Mailing machines and equipment
- Medical, dental, and hospital equipment and supplies
- Ophthalmic goods
- Photocopy machines, microfilm machines, and other office equipment
- Photographic cameras, film, accessories, and equipment
- Shelving and store fixtures
- Video cameras (except household-type)

**NOTE** – Merchant wholesaling of modems and other electronic communications equipment is classified in ISI code 4236.

Selling, planning, and designing computer systems that integrate computer hardware, software, and communication technologies are classified in ISI code 5415.

**4235 Metal and mineral (except petroleum) merchant wholesalers**  
(2017 NAICS code 4235)

In addition to merchant wholesaling of the products listed below, this industry includes metal service centers. These centers maintain inventory and may perform value-added functions such as sawing, shearing, bending, leveling, cleaning, or edging on a custom basis as part of sales transactions.

Businesses engaged in the merchant wholesale distribution of primary metal products such as:

- Bars
- Castings
- Ingots
- Nails, spikes, and rods
- Non-insulated wire
- Non-threaded pipe
- Plates
- Sheets

Businesses engaged in the merchant wholesale distribution of minerals such as:

- Coal and coke
- Metal ores
- Nonmetallic minerals (except those used in construction, such as sand and gravel)

**NOTE** – Merchant wholesaling of:

- Nonmetallic minerals used in construction is classified in ISI code 4233.
- Gold, silver, and platinum is classified in ISI code 4239.
- Crude petroleum is classified in ISI code 4247.

**4236 Household appliances and electrical and electronic goods merchant wholesalers**  
(2017 NAICS code 4236)

Businesses engaged in the merchant wholesale distribution of products such as:

- Electrical apparatus and equipment
- Electrical light fixtures
- Household-type appliances, including gas appliances
- Household-type audio and video equipment, such as televisions and radios
- Household-type refrigerators and freezers
- Telecommunications equipment
- Unloaded computer boards
- Wiring supplies and electrical construction materials

**NOTE** – Merchant wholesaling of computers, computer peripheral equipment, and loaded computer boards is classified in ISI code 4234.

Merchant wholesaling of gas and electric water heaters and heating stoves (non-cooking) is classified in ISI code 4237.

**4237 Hardware, and plumbing and heating equipment and supplies merchant wholesalers**  
(2017 NAICS code 4237)

Businesses engaged in the merchant wholesale distribution of products such as:

- Automotive air-conditioning equipment
- Central air-conditioning equipment
- Bolts, nuts, rivets, and screws
- Hand tools
- Hardware
- Knives
- Plumbing and heating equipment and supplies
- Refrigeration equipment (except household-type)
- Water heaters, electric and gas

**NOTE** – Merchant wholesaling of household room air-conditioners, refrigerators, and freezers is classified in ISI code 4236.

**4238 Machinery, equipment, and supplies merchant wholesalers**  
(2017 NAICS code 4238)

Businesses engaged in the merchant wholesale distribution of products such as:

- Construction, mining, and logging machinery and equipment
- Farm and garden machinery and equipment
- Industrial machinery and equipment
- Industrial supplies
- Service industry equipment and supplies
- Transportation equipment and supplies (except motor vehicles and marine pleasure craft), such as:
  - Aircraft
  - Motorized passenger golf carts
  - Railroad cars
  - Ships

**NOTE** – Merchant wholesaling of:

- Motor vehicles and motor vehicles parts is classified in ISI code 4231.
- Automotive and janitorial chemicals is classified in ISI code 4246.

**4239 Miscellaneous durable goods merchant wholesalers**  
(2017 NAICS code 4239)

Businesses engaged in the merchant wholesale distribution of products such as:

- Firearms and ammunition
- Flatware, including precious metal
- Jewelry, watches, and precious stones and metals
- Marine pleasure craft, equipment, and supplies
- Musical instruments
- Prerecorded music and video
- Recyclable materials
- Sporting and recreational goods and supplies, including specialty sport footwear
- Timber and timber products, except lumber
- Toy and hobby goods and supplies

**NOTE** – Merchant wholesaling of athletic apparel is classified in ISI code 4243.

Sorting recyclable materials is classified ISI code 5620.

## MERCHANT WHOLESALERS, NONDURABLE GOODS

### **4241 Paper and paper product merchant wholesalers** (2017 NAICS code 4241)

Businesses engaged in the merchant wholesale distribution of products such as:

- Greeting cards
- Paperboard, boxes, and bags
- Disposable plastics products
- Shipping supplies
- Paper towels and napkins
- Office paper, printing and writing paper
- Office supplies

### **4242 Drugs and druggists' sundries merchant wholesalers** (2017 NAICS code 4242)

Businesses engaged in the merchant wholesale distribution of products such as:

- Biological and medical products
- Botanical herbs and drugs
- Pharmaceuticals
- Vitamins

### **4243 Apparel, piece goods, and notions merchant wholesalers** (2017 NAICS code 4243)

Businesses engaged in the merchant wholesale distribution of products such as:

- Clothing
- Footwear
- Piece goods, fabrics, yarns, thread, and notions

**NOTE** – Converters who buy fabric goods in the grey, have them finished on contract, and sell at wholesale are classified in ISI code 3130.

Merchant wholesalers of industrial yarns are classified in ISI code 4249.

### **4244 Grocery and related product merchant wholesalers** (2017 NAICS code 4244)

Businesses engaged in the merchant wholesale distribution of products such as:

- Canned foods
- Confectioneries and snack foods
- Dairy products
- Fish and seafood
- Fresh fruit and vegetables
- Frozen foods (packaged)
- General line groceries
- Meat and meat products
- Pet food
- Poultry (including live poultry) and poultry products
- Soft drinks



**NOTE** – Pasteurizing and bottling milk is classified in ISI code 3115.

Slaughtering and dressing of poultry is classified in ISI code 3116.

Canning or freezing seafood is classified in ISI code 3117.

Roasting coffee is classified in ISI code 3119.

Bottling soft drinks is classified in ISI code 3121.

Merchant wholesaling of grains, field beans, and livestock is classified in ISI code 4245.

Merchant wholesaling of beer, wine, and distilled alcoholic beverages is classified in ISI code 4248.

#### **4245 Farm product raw material merchant wholesalers**

(2017 NAICS code 4245)

In addition to merchant wholesaling of the products listed below, this industry also includes businesses engaged in operating grain elevators primarily for the purpose of merchant wholesaling.

Businesses engaged in the merchant wholesale distribution of products such as:

- Grains and field beans
- Hides and pelts
- Leaf tobacco
- Livestock
- Raw cotton

**NOTE** – Merchant wholesaling of:

Field and garden seeds is classified in ISI code 4249.

Live poultry is classified in ISI code 4244.

#### **4246 Chemical and allied products merchant wholesalers**

(2017 NAICS code 4246)

Businesses engaged in the merchant wholesale distribution of products such as:

- Acids
- Dyestuffs
- Explosives
- Industrial chemicals and salts
- Plastics materials and resins
- Plastics films, sheets, rods, and tubes

**NOTE** – Merchant wholesaling of:

Ammunition and fireworks is classified in ISI code 4239.

Biological, medical, and pharmaceutical products is classified in ISI code 4242.

Agricultural chemicals and fertilizers is classified in ISI code 4249.

Paints and varnishes is classified in ISI code 4249.

#### **4247 Petroleum and petroleum products merchant wholesalers**

(2017 NAICS code 4247)

Businesses engaged in the merchant wholesale distribution of products such as:

- Crude petroleum and petroleum products, such as fuel oil, gasoline, and lubricating oil
- Liquid petroleum gas

**4248 Beer, wine, and distilled alcoholic beverage merchant wholesalers**  
(2017 NAICS code 4248)

Businesses engaged in the merchant wholesale distribution of products such as:

- Beer, ale, lager, and fermented malt beverages
- Distilled alcoholic beverages
- Neutral spirits and ethyl alcohol used in blended wines and distilled liquors
- Wine

**4249 Miscellaneous nondurable goods merchant wholesalers**  
(2017 NAICS code 4249)

Businesses engaged in the merchant wholesale distribution of products such as:

- Agricultural chemicals, pesticides, and fertilizers
- Books, periodicals, and newspapers
- Farm supplies
- Flowers and nursery stock
- Industrial yarns
- Paints, varnishes, and wallpapers
- Pet supplies (except pet food)
- Tobacco and tobacco products

**NOTE** – Merchant wholesaling of pet food is classified in ISI code 4244.

## **ELECTRONIC MARKETS AND AGENTS AND BROKERS**

**4251 Wholesale electronic markets and agents and brokers**  
(2017 NAICS code 4251)

Business-to-business electronic markets bringing together buyers and sellers of goods using the Internet or other electronic means.

Agents and brokers that arrange for the sale of goods owned by others. Agents and brokers do not take title to the goods being sold but rather receive a fee or commission for their service.

**NOTE** – Businesses engaged in bringing together buyers and sellers of goods using the Internet in a business-to-consumer or consumer-to-consumer environment are classified in ISI code 4540.

## RETAIL TRADE

The retail trade sector (ISI codes 4410–4540) comprises businesses selling merchandise, generally without transformation, and rendering services incidental to the sale of merchandise. Retailers sell merchandise to the general public. Store retailers operate permanent point-of-sale locations. Non-store retailers reach customers through methods such as the Internet, the broadcasting and publishing of direct response advertising, the publishing of traditional and electronic catalogues, and distribution through vending machines. Businesses may be engaged in providing after-sales services such as repair and installation. Businesses that both manufacture and sell their products to the general public, such as retail bakeries, are classified in manufacturing, not retail trade.

### **4410 Motor vehicles and parts dealers** (2017 NAICS code 441)

Examples of businesses in this industry include:

- Automobile dealers
- Automotive parts and accessories dealers
- Boat dealers
- Light truck dealers
- Motorcycle dealers
- Recreational vehicle dealers
- Tire dealers
- Utility trailer dealers

**NOTE** – Selling of medium- and heavy-duty trucks is classified in ISI code 4231.

Selling and installing automotive parts other than tires is classified in ISI code 8110.

### **4420 Furniture and home furnishings stores** (2017 NAICS code 442)

Examples of businesses in this industry include:

- Floor coverings stores
- Household furniture stores
- Kitchenware stores
- Office furniture (except in combination with office equipment and supplies) stores
- Outdoor furniture stores
- Window treatment stores

**NOTE** – Retailing of:

- Custom made curtains and drapes made on premises is classified in ISI code 3140.
- Used furniture is classified in ISI code 4530.

### **4431 Electronics and appliance stores** (2017 NAICS code 4431)

Examples of businesses in this industry include:

- Camera and photographic supplies stores
- Cellular telephone stores
- Computers, peripherals, and prepackaged software stores
- Household appliance stores
- Prerecorded music and video stores

**NOTE** – Retailing of:

- Automotive electronic sound systems is classified in ISI code 4410.
- Computers, peripherals, and prepackaged software in combination with retailing office equipment, furniture and supplies is classified in ISI code 4530.

**4440 Building material and garden equipment and supplies dealers**  
(2017 NAICS code 444)

Examples of businesses in this industry include:

- Building materials and supplies dealers
- Hardware stores
- Home centers
- Lawn and garden equipment and supplies stores
- Nursery and garden centers
- Outdoor power equipment stores
- Paint and wallpaper stores

**4450 Food and beverage stores**  
(2017 NAICS code 445)

Examples of businesses in this industry include:

- Convenience stores
- Grocery stores
- Liquor stores
- Meat, fish, fruit and vegetable, and other specialty food markets
- Supermarkets

**NOTE** – The retail sale of:

- Candy and chocolate made on the premises not for immediate consumption is classified in ISI code 3113.

- A general line of baked goods made on the premises not for immediate consumption is classified in ISI code 3118.

Convenience stores that sell gasoline are classified in ISI code 4471.

**4461 Health and personal care stores**  
(2017 NAICS code 446)

Examples of businesses in this industry include:

- Cosmetics and beauty supplies stores
- Health and personal care stores selling items such as food supplements, hearing aids, and convalescent supplies
- Optical goods stores
- Pharmacies and drug stores

**NOTE** – Grinding without retailing optical lenses is classified in ISI code 3391.

**4471 Gasoline stations**  
(2017 NAICS code 447)

Retailing motor fuels and automotive oils. This includes businesses that sell motor fuels in combination with convenience store items and/or repair services.

**NOTE** – Businesses engaged solely in repairing motor vehicles are classified in ISI code 8110.

**4480 Clothing and clothing accessories stores**

(2017 NAICS code 448)

Examples of businesses in this industry include:

- Clothing stores
- Jewelry stores
- Luggage and leather goods stores
- Shoe stores

**NOTE** – Cutting and setting gemstones is classified in ISI code 3399.

Retailing specialty sports footwear (e.g., bowling shoes, golf shoes, spiked shoes) is classified in ISI code 4510.

**4510 Sporting goods, hobby, musical instrument, and book stores**

(2017 NAICS code 451)

Examples of businesses in this industry include:

- Book stores
- Hobby, games, and toy stores
- Musical instrument stores
- Sporting goods stores

**NOTE** – Retailing new computer game software, prerecorded music, and videos are classified in ISI code 4431.

**4520 General merchandise stores**

(2017 NAICS code 452)

Retailing a large variety of goods with no one merchandise line predominating.

Examples of businesses in this industry include:

- Department stores
- Dollar stores
- Home and auto supply stores
- Superstores
- Warehouse clubs and supercenters

**4530 Miscellaneous store retailers**

(2017 NAICS code 453)

Examples of businesses in this industry include:

- Art dealers
- Florists
- Mobile home dealers
- Office equipment and supplies retailers
- Pet and pet supplies stores
- Stationery and gift stores
- Used merchandise stores

**NOTE** – Retailing used automobiles is classified in ISI 4410.

Pawnshops are classified in ISI 5224.

**4540 Non-store retailers**  
(2017 NAICS code 454)

Examples of businesses in this industry include:

- Direct selling businesses, such as heating oil dealers
- Internet auction sites
- Internet-based retailers
- Mail-order houses
- Home shopping television
- Vending machine operators

**NOTE** – Facilitating business-to-business auction-based sales using the Internet is classified in ISI code 4251.

Providing telemarketing services for others is classified in ISI code 5614.

## TRANSPORTATION AND WAREHOUSING

The transportation and warehousing sector (ISI codes 4810–4939) comprises businesses providing transportation of passengers and cargo, scenic and sightseeing transportation, support activities related to transportation, and warehousing and storage for goods. Businesses in transportation use transportation equipment or transportation-related facilities as a productive asset.

### **4810 Air transportation**

(2017 NAICS code 481)

Businesses engaged in providing scheduled and nonscheduled air transportation of passengers and/or cargo using aircraft such as airplanes and helicopters.

**NOTE** – Scenic and sightseeing air transportation is classified in ISI code 4870.

Air courier services are classified in ISI code 4920.

### **4821 Rail transportation**

(2017 NAICS code 4821)

Businesses engaged in providing rail transportation of passengers and/or cargo using railroad rolling stock. The railroads either operate on networks—with physical facilities, labor force, and equipment spread over an extensive geographic area—or operate over a short distance on a local rail line.

**NOTE** – Commuter rail and urban rapid transit are classified in ISI code 4850.

Scenic and sightseeing rail transportation is classified in ISI code 4870.

Operating switching and terminal facilities as a separate business is classified in ISI code 4880.

### **4833 Petroleum tanker operations**

(Part of 2017 NAICS code 483)

Businesses engaged in operating water craft on the deep seas or coastal and inland waterways for the transportation of crude petroleum, petroleum products, or liquid natural gas. Businesses in this industry can either own or lease the water craft. The services can be rendered for the firm's own account, the account of affiliated persons, or the account of unaffiliated persons.

### **4839 Other water transportation**

(Part of 2017 NAICS code 483)

Businesses engaged in providing water transportation of passengers and cargo (except petroleum and related products, which is in ISI code 4833) using water craft such as ships, barges, and boats either on the deep sea or coastal and inland waterways.

**NOTE** – Scenic and sightseeing water transportation is classified in ISI code 4870.

Operating floating casinos is classified in ISI code 7130.

### **4840 Truck transportation**

(2017 NAICS code 484)

Businesses engaged in providing local and long-distance over-the-road transportation of cargo using motor vehicles, such as trucks and tractor trailers. This industry includes specialized trucking, such as moving of household and office goods.

**4850 Transit and ground passenger transportation**

(2017 NAICS code 485)

Businesses engaged in operating urban transit and commuter rail systems and in providing chartered bus, school bus, and interurban bus transportation, and taxi and limousine service.

**NOTE** – Scenic and sightseeing ground transportation is classified in ISI code 4870.

Ambulance services are classified in ISI code 6210.

**4863 Pipeline transportation of crude oil, refined petroleum products, and natural gas**

(2017 NAICS codes 4861, 4862, and 48691)

Businesses engaged in the use of distribution and transmission pipelines to transport crude oil, refined petroleum products, and natural gas. The pipeline transportation of natural gas also includes storage of natural gas.

**NOTE** – Pipeline transportation of natural gas to the end consumer is classified in ISI code 2212.

**4868 Other pipeline transportation**

(2017 NAICS code 48699)

Businesses engaged in the use of distribution and transmission pipelines to transport commodities such as coal and slurry.

**NOTE** – Pipeline transportation of water by utilities is classified in ISI code 2213.

**4870 Scenic and sightseeing transportation**

(2017 NAICS code 487)

Businesses engaged in the use of transportation equipment to provide recreation and entertainment. The activity is local in nature, usually involving a same-day return to the point of departure.

Examples of businesses in this industry include:

- Charter fishing boats
- Hot air balloon rides
- Sightseeing buses and trolleys
- Steam train excursions

**4880 Support activities for transportation**

(2017 NAICS code 488)

Businesses engaged in providing services to transportation carriers or to the general public, which support a single mode or several modes of transportation.

Examples of activities in this industry include:

- Aircraft and rail transportation equipment maintenance and repair
- Airport operation
- Cargo handling
- Freight forwarding
- Motor vehicle towing
- Port and harbor operation
- Rail terminal operation

**NOTE** – Businesses engaged in providing complete overhauls or rebuilding of transportation equipment are classified in transportation equipment manufacturing according to the type of equipment.



**4920 Couriers and messengers**

(2017 NAICS code 492)

Businesses engaged in providing air, surface, or combined courier delivery services of parcels, letters, and documents. Deliveries of meals and groceries on a fee basis are also included.

**4932 Petroleum storage for hire**

(Part of 2017 NAICS code 49319)

Businesses engaged in operating bulk petroleum storage facilities and terminals for hire.

**4939 Other warehousing and storage**

(2017 NAICS codes 49311, 49312, 49313, and part of 49319)

Businesses engaged in operating warehousing and storage facilities for general merchandise, refrigerated goods, farm products, and other warehouse products, except petroleum.

**NOTE** – Renting space for self storage of goods (mini-warehouses) is classified in ISI code 5310.

Storing hazardous materials for treatment and disposal is classified in ISI code 5620.

## INFORMATION

The Information sector (ISI codes 5111–5191) comprises businesses engaged in producing and distributing information and cultural products; providing the means to transmit or distribute these products as well as data or communications; and processing data. (Cultural products are those that directly express attitudes, opinions, ideas, values, and artistic creativity; provide entertainment; or offer information and analysis concerning the past and present.)

### **5111 Newspaper, periodical, book, and directory publishers**

(2017 NAICS code 5111)

Businesses engaged in publishing newspapers, magazines, other periodicals, books, directories and mailing lists, and other works, such as calendars, greeting cards, and maps. These works are characterized by the intellectual creativity required in their development and are usually protected by copyright. Businesses may create the works in-house or may contract for, purchase, or compile works that were originally created by others. These works may be published in one or more formats, such as print and/or electronic form, including proprietary electronic networks. Businesses may print, reproduce, or offer direct access to the works themselves or may arrange with others to carry out such functions.

**NOTE** – Printing newspapers, periodicals, books, and greeting cards but not publishing is classified in ISI code 3231.

Book clubs primarily engaged in direct sales activities without publishing are classified in ISI code 4540.

Music publishers are classified in ISI code 5122.

Publishing periodicals, books, greeting cards, or developing compilations of creative works or facts exclusively on the Internet is classified in ISI code 5191.

Operating Web search portals is classified in ISI code 5191.

Supplying the news media with information such as news, reports, and pictures is classified in ISI code 5191.

### **5112 Software publishers**

(2017 NAICS code 5112)

Businesses engaged in computer software publishing or publishing and reproduction. Such businesses carry out operations necessary for producing and distributing computer software such as designing, providing documentation, assisting in installation, and providing support services to software purchasers. These businesses may design, develop, and publish or only publish.

**NOTE** – Mass duplication of computer software is classified in ISI code 3346.

Providing access to software for clients from a central host site is classified in ISI code 5182.

Designing or developing software to meet the needs of specific users is classified in ISI code 5415.

**5121 Motion picture and video industries**

(2017 NAICS code 5121)

Businesses engaged in the production and/or distribution of motion pictures, videos, television programs, or commercials; in the exhibition of motion pictures; or in the provision of postproduction and related services, such as editing, closed captioning, animation, and special effects.

**NOTE** – Mass duplication and packaging of video tapes is classified in ISI code 3346.

Providing audio services for film, television, and video productions is classified in ISI code 5122.

**5122 Sound recording industries**

(2017 NAICS code 5122)

Businesses engaged in producing and distributing musical recordings, in publishing music, or in providing sound recording and related services. This includes integrated record production and distribution.

**NOTE** – Mass duplication of recorded products is classified in ISI code 3346.

**5151 Radio and television broadcasting**

(2017 NAICS code 5151)

Businesses engaged in operating broadcast studios and facilities for delivery of radio and television programs. These businesses are engaged in the production or purchase of programs and generate revenues from the sale of air time to advertisers, from donations and subsidies, or from the sale of programs.

**NOTE** – Producing and broadcasting television programs for cable and satellite television systems is classified in ISI code 5152.

Furnishing cable and other pay television services is classified in ISI code 5173.

Broadcasting exclusively on the Internet is classified in ISI code 5191.

**5152 Cable and other subscription programming**

(2017 NAICS code 5152)

Businesses engaged in operating studios and facilities for the broadcasting of programs on a subscription or fee basis. The programming is usually narrowcast in nature (e.g., limited format, such as news, sports, or youth-oriented). These businesses produce programming in their own facilities or acquire programming from external sources. The programming material is usually delivered to a third party, such as cable systems or direct-to-home satellite systems, for transmission to viewers.

**NOTE** – Producing taped television program material is classified in ISI code 5121.

Providing cable and other pay television services is classified in ISI code 5173.

### **5173 Wired and wireless telecommunications carriers**

(2017 NAICS code 5173)

Businesses engaged in operating, maintaining, and/or providing access to switching and transmission facilities and infrastructure that they own or lease for the transmission of voice, data, text, sound, and video using wired and wireless telecommunications networks. Transmission facilities may be based on a single technology or a combination of technologies.

Examples of businesses in this industry include:

- Broadband Internet services providers, wired (e.g., cable, DSL)
- Cable television distribution services
- Cellular telephone service
- Direct-to-home satellite systems
- Local and long-distance telephone carriers, wired
- Voice over Internet protocol (VoIP) service providers, using own operated wired telecommunications infrastructure
- Wireless Internet service providers, except satellite

**NOTE** – Businesses engaged in producing and distributing television programs for cable and satellite television systems are classified in ISI code 5152.

Providing and/or reselling satellite telecommunications services is classified in ISI code 5174.

Providing Internet access services and VoIP services via client-supplied telecommunications connections (e.g., dial-up ISPs) is classified in ISI code 5179.

Reselling telecommunications services (except satellite telecommunications) without operating a network is classified in ISI code 5179.

### **5174 Satellite telecommunications**

(2017 NAICS code 5174)

Businesses engaged in providing telecommunications services to other businesses in the telecommunications and broadcasting industries by forwarding and receiving communications signals via a system of satellites. Also included are businesses that resell satellite communications.

**NOTE** – Businesses engaged in providing direct-to-home satellite television systems to individual households or consumers are classified in ISI code 5173.

### **5179 Other telecommunications**

(2017 NAICS code 5179)

Businesses engaged in (1) purchasing access and network capacity from owners and operators of telecommunications networks and reselling wired and wireless telecommunications services (except satellite) to businesses and households; (2) providing specialized telecommunications services, such as satellite tracking, communications telemetry, and radar station operation; (3) providing satellite terminal stations and associated facilities connected with one or more terrestrial systems and capable of transmitting telecommunications to, and receiving telecommunications from, satellite systems; or (4) providing Internet access services or voice over Internet protocol (VoIP) services via client-supplied telecommunications connections. Businesses in this industry do not operate as telecommunications carriers. Mobile virtual network operators (MVNO) are included in this industry.

**NOTE** – Businesses engaged in:

Providing wired broadband Internet services and/or VoIP services via own operated telecommunications infrastructure are classified in ISI code 5173.

Operating and maintaining wired or wireless telecommunications networks are classified in ISI code 5173.

Providing and/or reselling satellite telecommunications services are classified in ISI code 5174.

**5182 Data processing, hosting, and related services**  
(2017 NAICS code 518)

Businesses engaged in providing infrastructure for hosting or data processing services. These businesses may provide specialized hosting activities, such as Web hosting, streaming services, or application hosting; application service provisioning; or general time-share mainframe facilities to clients. Data processing businesses provide complete processing and specialized reports from data supplied by clients or provide automated data processing, data entry services, and optical scanning services.

**NOTE** – Providing wired broadband Internet access using own operated telecommunications infrastructure in combination with Web hosting is classified in ISI code 5173.

Providing Internet access via client-supplied telecommunications connections in combination with Web hosting is classified in ISI code 5179.

Operating Web search portals is classified in ISI code 5191.

Processing financial transactions, such as credit card transactions, is classified in ISI code 5223.

Providing payroll processing services is classified in ISI code 5412.

Providing on-site management and operation of a client's data-processing facility is classified in ISI code 5415.

Providing text processing and related document preparation services is classified in ISI code 5614.

**5191 Other information services**  
(2017 NAICS code 5191)

Businesses engaged in supplying information, storing and providing access to information, searching and retrieving information, operating Web sites that use search engines to allow for searching information on the Internet, or publishing and/or broadcasting content exclusively on the Internet.

Examples of businesses in this industry include:

Internet entertainment, game, and sports sites

Internet publishing and/or broadcasting, exclusively

Internet social networking sites

Libraries and archives

News syndicates

Stock photo agencies

Web search portals, including those that provide additional Internet services, such as e-mail, connections to other Web sites, auctions, news, and serve as a home base for Internet users

**NOTE** – Providing both Internet publishing and other print or electronic editions (e.g., CD-ROM) is classified in ISI code 5111 or 5112 based on the materials produced.

Providing wired broadband Internet access using own operated telecommunications infrastructure is classified in ISI code 5173.

Providing Internet access via client-supplied telecommunications connections is classified in ISI code 5179.

Providing streaming services on content owned by others is classified in ISI code 5182.

Designing Web sites for others on a fee basis is classified in ISI code 5415.

Operating stock brokerages, travel reservation services, purchasing services, and similar activities using the Internet rather than traditional methods is classified with the more traditional businesses that provide these services.

## FINANCE AND INSURANCE

The finance and insurance sector (ISI codes 5221–5252) comprises businesses engaged in financial transactions (transactions involving the creation, liquidation, or change in ownership of financial assets) and/or in facilitating financial transactions. Three principal types of activities are included:

1. Raising funds by taking deposits and/or issuing securities, and in the process, incurring liabilities.
2. Pooling of risk by underwriting insurance and annuities.
3. Providing specialized services facilitating or supporting financial intermediation, insurance, or employee benefit programs.

### **5221 Depository credit intermediation (banking)** (2017 NAICS codes 5221 and 551111)

Businesses engaged in accepting deposits and in lending funds from these deposits.

Examples of businesses in this industry include:

- Bank holding companies
- Branches and agencies that accept deposits
- Commercial banks
- Credit unions
- Edge Act corporations that accept deposits
- Savings institutions

**NOTE** – Non-depository branches and agencies that do not accept deposits are classified in ISI code 5229.

Depository institutions primarily engaged in trust activities are classified in ISI code 5238.

### **5223 Activities related to credit intermediation** (2017 NAICS code 5223)

Businesses engaged in facilitating credit intermediation by performing activities such as arranging loans by bringing borrowers and lenders together, and clearing checks and credit card transactions.

Examples of services provided by businesses in this industry include:

- Check cashing
- Credit card processing
- Debit card issuing
- Electronic funds transfers
- Financial transactions processing
- Money order and travelers check issuing
- Mortgage and other loan arranging
- Reserve and clearing house activities
- Servicing loans originated by others

**5224 Non-depository credit intermediation, except branches and agencies**

(Part of 2017 NAICS code 5222)

Businesses engaged in extending credit or lending funds that were raised from sources such as credit markets or from contributed capital.

Examples of services provided by businesses in this industry include:

- Consumer lending
- Credit card issuing
- Mortgage lending
- Real estate credit
- Sales financing
- Secondary market financing
- Short-term inventory credit and pawnshop services
- Trade financing

**NOTE** – Servicing loans originated by others, and loan arranging are classified in ISI code 5223.

U.S. branches and agencies of foreign banks and foreign branches and agencies of U.S. banks engaged in financing are classified in ISI 5229.

**5229 Non-depository branches and agencies**

(Part of 2017 NAICS code 5222)

Foreign branches and agencies of U.S. banks that do not accept deposits abroad.

U.S. branches and agencies of foreign banks that do not accept deposits in the United States.

**NOTE** – Branches and agencies that accept deposits are classified in ISI code 5221.

**5231 Securities and commodity contracts intermediation and brokerage**

(2017 NAICS code 5231)

Businesses engaged in putting capital at risk in the process of underwriting securities issues or in making markets for securities and commodities. Businesses engaged in acting as brokers of securities and commodities.

Examples of services provided by businesses in this industry include:

- Commodity contracts dealing and brokerage
- Investment banking
- Securities brokerage



**5238 Other financial investment activities and exchanges**

(2017 NAICS codes 5232 and 5239)

Businesses engaged in furnishing physical or electronic marketplaces for the purpose of facilitating the buying and selling of stocks, options, bonds, or commodity contracts.

Businesses engaged in acting as principals, agents and/or brokers in buying or selling financial contracts (except investment bankers, securities dealers, and commodity contracts dealers) or providing other investment services, such as portfolio management, investment advice, and trust, fiduciary, and custody services.

Examples of businesses in, or services provided by, this industry include:

- Commodity and exchange clearinghouses
- Financial planning
- Individual investors
- Pension fund and mutual fund management
- Royalties or leases dealers
- Securities and commodity exchanges
- Stock quotation services
- Trust, fiduciary, custody and other investment services
- Venture capital companies

**NOTE** – Businesses providing investment advice in conjunction with their primary activity, such as the sale of stocks, bonds, real estate, etc. are classified according to their primary activity.

Businesses known as publishers that provide generalized investment information to subscribers are classified in ISI code 5111.

**5242 Agencies, brokerages, and other insurance related activities**

(2017 NAICS code 5242)

Businesses engaged in acting as agents or brokers in selling insurance policies and annuities or providing other employee benefits and insurance related services, such as claims adjustment and processing and third party administration of insurance and pension funds.

**NOTE** – Third party portfolio management of funds' assets is classified in ISI 5238.

Providing actuarial consulting services is classified in ISI 5416.

**5243 Insurance carriers, except direct life insurance carriers**

(2017 NAICS code 5241, except code 524113)

Businesses engaged in underwriting insurance policies, except life insurance policies and annuities, and investing premiums to build up a portfolio of financial assets to be used against future claims.

Examples of businesses in this industry include:

- Health and medical insurance carriers
- Health Maintenance Organizations (HMOs) providing health and medical insurance
- Property, casualty, title, and deposit insurance carriers
- Reinsurance carriers

**NOTE** – HMOs providing health care services are classified in ISI code 6210.

**5249 Direct life insurance carriers**

(2017 NAICS code 524113)

Businesses engaged in underwriting life insurance policies and annuities, disability income insurance policies, and accidental death and dismemberment insurance policies.

**5252 Funds, trusts, and other financial vehicles**

(2017 NAICS code 525)

Legal entities organized to pool securities or other assets on behalf of shareholders or beneficiaries of employee benefit or other trust funds. These entities earn interest, dividends, and other property income, but have little or no employment.

Examples of entities in this industry include:

- Insurance or employee benefit funds, such as pension funds and health and welfare funds

- Open-end investment funds and closed-end investment funds

- REITs that primarily underwrite or invest in mortgages

- Trust, estate, and agency accounts

**NOTE** – Businesses with employees devoted to the management of funds are classified in ISI code 5238.

Equity REITs that are primarily engaged in leasing buildings or other real estate properties to others are classified in ISI code 5310.

Entities engaged in holding the securities of (or other equity interests in) firms (except banking) are classified in ISI code 5512; entities engaged in holding the securities (or other equity interests) in banking firms are classified in ISI code 5221.

## REAL ESTATE AND RENTAL AND LEASING

The real estate and rent and leasing sector (ISI codes 5310–5331) comprises businesses engaged in renting, leasing, or otherwise allowing the use of tangible or intangible assets, and establishments providing related services. The assets may be tangible, as in the case of real estate and equipment, or intangible, as in the case of patents and trademarks.

### 5310 Real estate

(2017 NAICS code 531)

Businesses engaged in renting or leasing real estate to others; managing real estate for others; selling, buying, or renting real estate for others; and providing real estate related services, such as appraisal services.

Examples of businesses in this industry include:

- Equity REITs that are primarily engaged in leasing buildings or other real estate properties to others
- Owners and lessors of land used for agriculture or timber growing that the owner-lessors do not operate themselves
- Owners and lessors of mini warehouses and self-storage units
- Real estate agencies, brokerages, and property managers

**NOTE** – Subdividing and constructing buildings for sale is classified in ISI code 2360.

Subdividing and improving raw land for subsequent sale to builders is classified in ISI code 2370.

Operating public and contract general merchandise warehousing and storage facilities is classified in ISI code 4939.

REITs that primarily underwrite or invest in mortgages are classified in ISI code 5252.

### 5321 Automotive equipment rental and leasing

(2017 NAICS code 5321)

Businesses engaged in renting or leasing cars and trucks, without drivers, or renting or leasing utility trailers and recreational vehicles (RVs). Rentals can be on a short-term or a long-term basis.

**NOTE** – Retailing passenger cars through sales or lease arrangements is classified in ISI code 4410.

Renting or leasing passenger cars with drivers is classified in ISI code 4850.

Leasing vehicles in combination with providing loans to buyers of such vehicles is classified in ISI code 5224.

Renting recreational goods such as boats, motorcycles, or bicycles is classified in ISI code 5329.

**5329 Other rental and leasing services**  
(2017 NAICS code 532, except 5321)

Businesses engaged in renting or leasing a wide array of tangible goods, such as consumer goods, goods for business operations, and industrial machinery and equipment in return for a periodic rental or lease payment.

Examples of tangible goods rented or leased by businesses in this industry include:

- Aircraft, tugboats, and other transportation equipment, without operators
- Bicycles, skis, and other recreational goods
- Bulldozers, cranes, and other heavy construction equipment, without operators
- Computers, copiers, and other office machinery
- Formal wear and costumes
- Furniture
- Home health equipment
- Televisions, stereos, refrigerators, and other consumer electronics and appliances
- Video tapes and discs

**NOTE** – Retailing and renting musical instruments is classified in ISI code 4510.

Leasing goods or heavy equipment in combination with providing loans to buyers of such goods is classified in ISI code 5224.

Leasing real property is classified in ISI code 5310.

Leasing automotive equipment without drivers is classified in ISI code 5321; leasing with drivers is classified in ISI code 4850.

Leasing heavy equipment with operators is classified according to the nature of the service provided, for example, agriculture, mining, or construction.

**5331 Lessors of nonfinancial intangible assets (except copyrighted works)**  
(2017 NAICS code 533)

Businesses in this industry are engaged in assigning rights to assets, such as patents, trademarks, brand names, and franchise agreements, for which a royalty payment or licensing fee is paid to the asset holder.

**NOTE** – Businesses engaged in producing, reproducing, and or distributing copyrighted works are classified in ISI codes 5111–5122, depending on the nature of the work.

Businesses that allow franchisees to use the franchise name, contingent upon the franchisee buying products or services from the franchiser, are classified in the industry of the product or service provided.

## PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES

The professional, scientific, and technical services sector (ISI codes 5411–5419) comprises businesses engaged in processes in which human capital is the major input. These establishments make available the knowledge and skills of their employees, often on an assignment basis, where an individual or team is responsible for the delivery of services to the client. The individual industries of this sector are defined on the basis of the particular expertise and training of the services provider.

### 5411 Legal services

(2017 NAICS code 5411)

Businesses engaged in providing general legal services or services in a specific area of law, such as criminal law, corporate law, or real estate law. This includes the provision of other legal services such as notary public services, patent agent services, and real estate settlement services.

### 5412 Accounting, tax preparation, bookkeeping, and payroll services

(2017 NAICS code 5412)

Examples of services provided by businesses in this industry include:

- Accounting systems design
- Auditing of accounting records
- Bookkeeping
- Budget development
- Financial statement preparation
- Payroll preparation
- Tax return preparation

### 5413 Architectural, engineering, and related services

(2017 NAICS code 5413)

Examples of services provided by businesses in this industry include:

- Architectural services including planning and designing the construction of residential, institutional, commercial, or industrial buildings and structures
- Building inspection services
- Drafting services
- Engineering services including designing, developing, and utilizing machines, materials, instruments, structures, processes, and systems
- Landscape architectural services including planning and designing the development of land areas for projects such as parks, schools, and highways
- Surveying and mapping services
- Testing laboratories performing physical, chemical, and other analytical testing services

**NOTE** – The design and construction of buildings, highways, and other structures or the management of construction projects are classified in Construction (ISI codes 2360-2380) according to the type of project.

Providing advice on environmental issues and inspecting buildings for hazardous materials is classified in ISI code 5416.

Providing landscape care and maintenance services and/or installing trees, shrubs, plants, etc., along with the design of landscape plans, is classified in ISI code 5617.

Inspecting buildings for termites and other pests is classified in ISI code 5617.

Laboratory testing services for the medical profession are classified in ISI code 6210.

#### **5414 Specialized design services**

(2017 NAICS code 5414)

Examples of services provided by businesses in this industry include:

- Fashion design
- Graphic design
- Industrial design
- Interior design

#### **5415 Computer systems design and related services**

(2017 NAICS code 5415)

Businesses engaged in providing services in the field of information technologies through one or more of the following activities: (1) writing, modifying, testing, and supporting software to meet the needs of a particular customer; (2) planning and designing computer systems that integrate computer hardware, software, and communication technologies; (3) on-site management and operation of clients' computer systems and/or data processing facilities; and (4) other professional and technical computer-related consulting and services.

Examples of services provided by businesses in this industry include:

- Computer systems facilities management
- Computer programming
- Computer systems integration design, such as local area network computer systems integration design
- Computer systems design consulting
- Data processing center management
- Software installation

**NOTE** – Software design, development, and publishing, or software publishing only is classified in ISI code 5112.

Businesses that provide computer data processing services at their own facility for others are classified in ISI code 5182.

#### **5416 Management, scientific, and technical consulting services**

(2017 NAICS code 5416)

Businesses engaged in providing advice and assistance on management issues, such as strategic and organizational planning; financial planning and budgeting; marketing objectives and policies; human resource policies, practices, and planning; production scheduling; and control planning.

Examples of businesses in this industry include:

- Actuarial, benefit, and compensation consultants
- Administrative and general management consultants
- Biological consultants
- Environmental consultants
- Human resources consultants
- Management consultants
- Marketing consultants
- Process, physical distribution, and logistics consultants

**NOTE** – Planning and designing computer systems is classified in ISI code 5415.

Developing and implementing marketing research or public opinion polling is classified in ISI code 5419.

Providing general management and/or administrative support services to subsidiaries is classified in ISI code 5513.

Providing resources to other enterprises to administer, direct, or coordinate a range of day-to-day business operations is classified in ISI code 5611.

Executive search, recruitment, and placement services are classified in ISI code 5613.

**5417 Scientific research and development services**  
(2017 NAICS code 5417)

Businesses engaged in research and development services as a primary activity. Research is the conducting of original investigations on a systematic basis to gain new knowledge. Experimental development is the application of research findings or other scientific knowledge for the creation of new or significantly improved products or processes.

Examples of services provided by businesses in this industry include:

- Biotechnology research and experimental development
- Environmental research and experimental development
- Industrial research
- Nanotechnology research and experimental development
- Physical science research and experimental development
- Social science and humanities research

**NOTE** – Businesses engaged in conducting research and development services as part of another primary activity (such as manufacturing of products) should be classified under the primary activity.

Providing physical, chemical, or other analytical testing services is classified in ISI code 5413.

Marketing research is classified in ISI code 5419.

**5418 Advertising, public relations, and related services**  
(2017 NAICS code 5418)

Examples of businesses in this industry include:

- Advertising agencies
- Direct mail advertisers
- Media buying agencies and representatives
- Outdoor advertising services
- Public relations agencies

**NOTE** – Compiling and selling mailing lists without providing direct mail advertising services is classified in ISI code 5111.

Providing marketing consulting services is classified in ISI code 5416.

**5419 Other professional, scientific, and technical services**  
(2017 NAICS code 5419)

Examples of businesses in this industry include:

- Broadcast media rating services
- Marketing research and public opinion polling
- Photographic services, including still, video, and digital photography
- Translation and interpretation services
- Veterinary offices and animal hospitals
- Weather forecasting services

**NOTE** – Developing motion picture film is classified in ISI code 5121.

Developing still photographs is classified in ISI code 8120.

Providing marketing strategies advice and counsel is classified in ISI code 5416.

Veterinary research and development services are classified in ISI 5417.

Non-veterinary pet care services is classified in ISI code 8120.



## MANAGEMENT OF COMPANIES AND ENTERPRISES

The management of companies and enterprises sector (ISI codes 5512–5513) comprises (1) establishments that hold the securities of (or other equity interests in) companies and enterprises for the purpose of owning a controlling interest or influencing management decisions and (2) establishments that administer, oversee, and manage other establishments of the company or enterprise and that normally undertake the strategic or organizational planning and decision-making role of the company or enterprise.

### **5512 Holding companies, except bank holding companies** (2017 NAICS code 551112)

Businesses engaged in holding the securities or financial assets of companies and enterprises for the purpose of owning a controlling interest in them or influencing their management decisions. Businesses in this industry do not manage the day-to-day operations of the firms whose securities they hold.

For consolidated enterprises, ISI code 5512 is generally an invalid industry classification. *Determination of industry code must be based on the activities of the fully consolidated business enterprise being reported to BEA.* A business that engages in holding company activities but generates income from other activities is not a holding company.

**NOTE** – Holding companies that derive over 50 percent of their total income from banks that they hold are classified in ISI code 5221.

Holding companies that manage the day-to-day operations of another part of the same multinational enterprise are classified in ISI code 5513.

### **5513 Corporate, subsidiary, and regional management offices** (2017 NAICS code 551114)

Offices engaged in administering, overseeing, and managing *other parts of the same multinational enterprise*. These establishments normally undertake the strategic or organizational planning and decision-making role of the company or enterprise. Establishments in this industry may hold the securities of the company or enterprise.

Included in this industry include:

- Centralized administrative offices
- Corporate headquarters
- Holding companies that manage
- Regional offices

**NOTE** – Businesses engaged in providing services to clients in other companies or enterprises to administer, direct, or coordinate a range of day-to-day business operations are classified in ISI code 5611.

Providing a single support (e.g., accounting services) service to a related enterprise, but not the range of services that businesses in this industry provide, is classified according to the service provided.

## ADMINISTRATIVE AND SUPPORT AND WASTE MANAGEMENT AND REMEDIATION SERVICES

The administrative and support and waste management and remediation services sector (ISI codes 5611–5620) comprises businesses performing routine support activities for the day-to-day operations of other organizations, typically on a contract or fee basis. These essential activities are often undertaken in-house by establishments in many sectors of the economy. The establishments in this sector specialize in one or more of these support activities and provide these services to clients in a variety of industries and, in some cases, to households.

### 5611 Office administrative services (2017 NAICS code 5611)

Businesses engaged in providing a range of day-to-day office administrative services on a contract or fee basis to clients *in other companies or enterprises*. These services include financial planning, billing and record keeping, personnel, and physical distribution and logistics. These businesses do not provide operating staff to carry out the complete operations of a client's business.

**NOTE** – Computer facilities management is classified in ISI code 5415.

Providing management advice, but not day-to-day management, is classified in ISI code 5416.

Offices providing general management and/or administrative support services to other parts of the same multinational enterprise are classified in ISI 5513.

Providing both management and operating staff for the complete operation of a client's business is classified according to the industry of the client's business.

Providing a single support service (e.g., accounting services) to an unrelated enterprise, but not the range of services that businesses in this industry provide, is classified according to the service provided.

### 5612 Facilities support services (2017 NAICS code 5612)

Businesses engaged in providing operating staff to perform a combination of support services within a client's facilities. The businesses typically provide a combination of services, such as janitorial, maintenance, trash disposal, guard and security, mail routing, reception, laundry, and related services to support operations within facilities. These businesses provide operating staff to carry out these support activities but are not involved with, or responsible for, the core business or activities of the client.

Examples of services provided by businesses in this industry include:

- Base or facilities operations support services (except computer systems and/or data processing)

- Correctional facilities (i.e., jails) operations on a contract or fee basis

**NOTE** – Providing a single support service to clients (e.g., janitorial services), but not the range of services that businesses in this industry provide, is classified according to the service provided.

Providing both management and operating staff for the complete operation of a client's business, such as a hotel, mine, or hospital, is classified according to the industry of the client's business.

Providing on-site management and operation of clients' computer systems and/or data processing facilities is classified in ISI code 5415.

**5613 Employment services**  
(2017 NAICS code 5613)

Businesses engaged in: (1) listing employment vacancies and in referring or placing applicants for employment; (2) providing executive search, recruitment, and placement services; (3) supplying workers to clients for limited periods of time to supplement the workforce of the client; or (4) providing human resources and human resource management services to clients.

Examples of businesses in this industry include:

- Casting bureaus and agencies
- Employee leasing services
- Employment agencies
- Executive search consulting services
- Labor (except farm) contractors
- Temporary employment or staffing services

**NOTE** – Supplying farm labor is classified in ISI code 1150.

Providing advice and assistance on human resource and personnel policies, practices, and procedures, and employee benefits and compensation is classified in ISI code 5416.

Agents and managers for entertainers, athletes, and other public figures are classified in ISI code 7110.

**5614 Business support services**  
(2017 NAICS code 5614)

Businesses engaged in performing activities that are ongoing routine business support functions that businesses and organizations traditionally do for themselves.

Examples of businesses in this industry include:

- Business service centers
- Collection agencies
- Credit bureaus and credit investigating services
- Desktop publishing services, including typing and word processing
- Document preparation services, such as resume writing
- Private mail centers and other postal and mailing services
- Repossession services
- Telephone call centers
- Telemarketing bureaus and services provided for others

**NOTE** – Providing document copying services in combination with printing services are classified in ISI code 3231.

**5615 Travel arrangement and reservation services**  
(2017 NAICS code 5615)

Examples of businesses in this industry include:

- Airline, hotel, and restaurant reservation services
- Convention and visitors bureaus
- Ticket agencies and offices, including travel, sports, and theatrical
- Tour operators that arrange and assemble tours sold through travel agencies or for their own account
- Travel agencies

**5616 Investigation and security services**

(2017 NAICS code 5616)

Examples of businesses in this industry include:

- Armored car services
- Bodyguard services
- Polygraph services
- Private detective and investigation services
- Security guard services
- Security systems services, such as selling burglar and fire alarm systems, along with installation and monitoring

**NOTE** – Retailers of motor vehicle security systems with or without installation or repair services are classified in ISI code 4410.

Providing credit checks is classified in ISI code 5614.

Selling security systems for buildings without installation, repair, or monitoring services is classified in retail or wholesale trade depending on the type of sale.

**5617 Services to buildings and dwellings**

(2017 NAICS code 5617)

Examples of businesses in this industry include:

- Carpet and upholstery cleaning services
- Extermination and pest control services
- Janitorial services, such as cleaning building interiors and interiors of transportation equipment
- Landscaping services

**NOTE** – Retailers of landscaping materials that may also provide the installation and maintenance of these materials are classified in ISI code 4440.

Planning and designing the development of land areas for projects such as parks, schools, and highways without planting trees, shrubs, or similar items is classified in ISI code 5413.

**5619 Other support services**

(2017 NAICS code 5619)

Businesses engaged in providing day-to-day business and other organizational support services other than those services included elsewhere.

Examples of businesses in this industry include:

- Convention and trade show organizers
- Float decorating services
- Inventory taking services
- Packaging and labeling services

## **5620 Waste management and remediation services**

(2017 NAICS code 562)

Businesses engaged in the collection, treatment, and disposal of waste materials. This includes businesses engaged in collecting and/or local hauling of waste and/or recyclable materials; operating waste treatment or disposal facilities (except sewer systems or sewage treatment facilities); operating materials recovery facilities (those that sort recyclable materials from the trash stream); providing remediation services (those that provide for the cleanup of contaminated buildings, mine sites, and soil or ground water); and providing septic pumping and other miscellaneous waste management services, such as portable toilet rental services.

**NOTE** – Collecting, treating, and disposing waste through sewer systems or sewage treatment facilities is classified in ISI code 2213.

Long-distance hauling of waste materials is classified in ISI code 4840.

Waste management consulting services, such as developing remedial action plans, are classified in ISI code 5416.

## **EDUCATIONAL SERVICES**

### **6110 Educational services**

(2017 NAICS code 61)

Businesses engaged in providing instruction and training in a wide variety of subjects.

Examples of businesses in this industry include:

- Business schools
- Colleges, universities, and professional schools
- Computer and management training schools
- Professional development programs
- Sports and recreation instruction schools or camps
- Technical and trade schools

**NOTE** – Nursery schools and preschools are classified in ISI code 6240.

## HEALTH CARE AND SOCIAL ASSISTANCE

The health care and social assistance sector (ISI codes 6210–6240) comprises businesses providing health care and social assistance for individuals. The sector includes both health care and social assistance because it is sometimes difficult to distinguish between the boundaries of these two activities. The industries in this sector are arranged on a continuum starting with establishments providing medical care exclusively, continuing with those providing health care and social assistance, and finally finishing with those providing only social assistance.

### **6210 Ambulatory health care services** (2017 NAICS code 621)

Businesses engaged in providing health care services directly or indirectly to ambulatory patients and that do not usually provide inpatient services.

Examples of businesses in this industry include:

- Ambulance services
- Dentists' offices
- Health maintenance organization medical centers
- Home health care services
- Kidney dialysis centers
- Medical and diagnostic laboratories, including diagnostic imaging centers
- Mental health practitioners
- Optometrists' offices
- Physicians' offices and walk-in centers

**NOTE** – Optical, orthopedic, and dental laboratories are classified in ISI code 3391.

Opticians engaged in selling and fitting prescription eyeglasses and contact lenses are classified in ISI code 4461.

Weight reducing centers, nonmedical, are classified in ISI code 8120.

### **6220 Hospitals** (2017 NAICS code 622)

Businesses engaged in providing medical, diagnostic, and treatment services including physician, nursing, and other health services to inpatients. Hospitals may also provide outpatient services as a secondary activity. This includes general and special medical and surgical facilities and psychiatric and substance abuse facilities.

**NOTE** – Businesses that are engaged in providing residential care for persons diagnosed with intellectual and developmental disabilities or that provide inpatient treatment of mental health and substance abuse illness with the emphasis on counseling, rehabilitation, and support services rather than medical treatment are classified in ISI code 6230.

**6230 Nursing and residential care facilities**

(2017 NAICS code 623)

Businesses engaged in providing residential care combined with either nursing, supervisory, or other types of care as required by the residents.

Examples of businesses in this industry include:

- Assisted living facilities
- Continuing care retirement communities
- Hospices
- Nursing homes
- Residential mental health and substance abuse facilities

**6240 Social assistance**

(2017 NAICS code 624)

Businesses engaged in providing a wide variety of social assistance services directly to their clients. These services do not include residential or accommodation services, except on a short stay basis.

Examples of businesses in this industry include:

- Adoption agencies
- Child day-care services
- Community food and housing services
- Nursery schools and preschools
- Senior citizens centers
- Vocational rehabilitation facilities

## ARTS, ENTERTAINMENT, AND RECREATION

The arts, entertainment, and recreation sector (ISI codes 7110–7130) comprises businesses that operate facilities or provide services to meet varied cultural, entertainment, and recreational interests of their patrons.

### **7110 Performing arts, spectator sports, and related industries** (2017 NAICS code 711)

Businesses engaged in producing or organizing and promoting live presentations involving the performances of actors and actresses, singers, dancers, musical groups and artists, athletes, and other entertainers, including independent (freelance) entertainers, and the businesses that manage their careers.

Examples of businesses in this industry include:

- Agents and managers for entertainers, athletes, and other public figures
- Circuses
- Ice skating shows
- Promoters of performing arts, sports, and similar events
- Professional sports teams
- Racetracks
- Theater companies and other performing arts companies

**NOTE** – Restaurants and night clubs that provide live non-theatrical entertainment in addition to the sale of food and beverages are classified in ISI code 7220.

Professional athletic associations or leagues are classified in ISI code 8130.

### **7121 Museums, historical sites, and similar institutions** (2017 NAICS code 7121)

Businesses engaged in the preservation and exhibition of objects, sites, and natural wonders of historical, cultural, and/or educational value.

Examples of businesses in this industry include:

- Art galleries and museums
- Botanical gardens
- Zoos and nature preserves

**NOTE** – Commercial art galleries primarily engaged in selling art objects are classified in ISI code 4530.



**7130 Amusement, gambling, and recreation industries**  
(2017 NAICS code 713)

Businesses engaged in operating facilities where patrons can participate in sports, recreation, amusement, or gambling activities. This includes supplying and servicing amusement devices in places of business operated by others.

Examples of businesses in this industry include:

Amusement parks, theme parks, and arcades

Bowling centers

Coin-operated amusement and gambling devices, supply and service

Gambling casinos, except casino hotels

Golf courses and country clubs

Health clubs and physical fitness facilities

Marinas

Skiing facilities, without accommodations

**NOTE** – Businesses using transportation equipment to provide recreational and entertainment services, such as those operating sightseeing buses, dinner cruises, or helicopter rides are classified in ISI code 4870.

Operating race tracks or presenting live racing or sporting events is classified in ISI code 7110.

Businesses that provide both accommodations and recreational facilities, such as hunting and fishing camps, skiing and golfing resorts, and casino hotels are classified in ISI code 7210.

## ACCOMMODATION AND FOOD SERVICES

The accommodation and food services sector (ISI codes 7210–7220) comprises businesses providing customers with lodging and/or preparing meals, snacks, and beverages for immediate consumption. The sector includes both accommodation and food services because the two activities are often combined at the same business.

### 7210 Accommodation

(2017 NAICS code 721)

Businesses engaged in providing lodging or short-term accommodations for travelers, vacationers, and others. Some locations provide lodging only, while others provide meals and recreational facilities. Businesses that manage hotels and motels on a contractual basis are classified in this industry if they both manage the operation and supply the operating staff. Services provided in connection with accommodation are considered to be an integral part of the activity. Revenues generated by these activities are included in this industry, even if the provision of complementary services produces more revenues than the accommodations. Businesses such as boarding houses, dormitories, and workers' camps may provide temporary or longer-term accommodations that, for the period of occupancy, may serve as a principal residence.

Examples of businesses in this industry include:

- Bed-and-breakfast inns
- Hotels, motels, casino hotels, and other traveler accommodation
- Recreational vehicle parks and campgrounds
- Rooming and boarding houses, dormitories, and workers' camps
- Vacation camps

**NOTE** – Operating instructional camps, such as sports camps and computer camps, is classified in ISI code 6110.

### 7220 Food services and drinking places

(2017 NAICS code 722)

Businesses engaged in preparing meals, snacks, and beverages to customer order for immediate on-premises or off-premises consumption.

Examples of businesses in this industry include:

- Airline food service contractors
- Bars, cocktail lounges, and other drinking places
- Cafeterias, snack bars, fast food restaurants, and other limited-service eating places
- Caterers
- Food concession contractors at sporting facilities
- Full-service restaurants

**NOTE** – Providing food services and drinks in connection with hotels and motels, amusement parks, theaters, casinos, etc. are considered to be an integral part of those activities and should be classified in the industries that are associated with those activities rather than in this industry.

Retailing confectionery goods or baked goods not baked on the premises and not for immediate consumption is classified in ISI code 4450. If such goods are manufactured on the premises, they are classified in ISI codes 3113 and 3118 respectively.

## OTHER SERVICES

The other services sector (ISI codes 8110–8130) comprises businesses engaged in providing services not specifically provided for elsewhere in the classification system.

### **8110 Repair and maintenance** (2017 NAICS code 811)

Businesses engaged in restoring machinery, equipment, and other products to working order. These businesses also typically perform general or routine maintenance on such products to ensure they work efficiently and to prevent breakdown and unnecessary repairs.

Examples of businesses in this industry include:

- Automotive repair and maintenance facilities
- Carwashes
- Commercial and industrial machinery and equipment repair and maintenance businesses
- Computers and communications equipment repair and maintenance businesses
- Electronic and precision equipment repair and maintenance businesses
- Personal and household goods repair and maintenance businesses

**NOTE** – Businesses that repair and maintain goods and also manufacture such goods are classified in manufacturing according to the product. Also, businesses that rebuild or remanufacture machinery and equipment are classified in manufacturing.

Tire retreading is classified in ISI code 3262.

Retailing motor fuels and providing vehicle service is classified in ISI code 4471.

Retail businesses that provide after-sale service and repair, for products such as motor vehicles and consumer electronics, are excluded from this industry and are classified in retail according to the product sold.

Repair of transportation equipment, such as aircraft, is often provided by or based at transportation facilities, and is classified in ISI code 4880.

### **8120 Personal and laundry services** (2017 NAICS code 812)

Businesses engaged in providing personal and laundry services to individuals, households, and businesses.

Examples of services and businesses in this industry include:

- Coin-operated pay telephone services
- Consumer buying services
- Dating services
- Diet and weight reduction services, nonmedical
- Drycleaning and laundry services
- Funeral homes, cemeteries, and other death care services
- Hair, nail, skin care, and other personal care services
- Linen and uniform supply
- Parking lots and garages
- Pet care services, except veterinary offices and animal hospitals
- Photofinishing services

**NOTE** – Veterinary offices and animal hospitals are classified in ISI code 5419.

Providing medical skin care or weight reduction services is classified in ISI code 6210.

Operating physical fitness facilities is classified in ISI code 7130.

**8130 Religious, grantmaking, civic, professional, and similar organizations**  
(2017 NAICS code 813)

Nonbusiness entities engaged in organizing and promoting religious activities, supporting various causes through grantmaking, advocating social and political causes, and promoting and defending the interests of their members.

**NOTE** – Lobbying public officials is classified in ISI code 5418.

## **PUBLIC ADMINISTRATION**

**9200 Public administration**  
(2017 NAICS code 92)

Federal, state, and local government agencies that administer, oversee, and manage public programs and have executive, legislative, or judicial authority over other institutions within a given area.