Starting on June 30, 2021, individual registrants will be required to annually provide their self declared industry and area(s) of practice to Engineers and Geoscientists BC. Additionally, starting on July 2, 2021 registrant firms will also be required to self declare the firm’s industry and area(s) of practice.

Historically, registrants were encouraged to self-declare their industry and area(s) of practice (formerly known as fields of practice). Under the Professional Governance Act and the Engineers and Geoscientists BC Bylaws this information is now mandatory. The information provided will be published on the online Register and will be reviewed during a compliance audit or practice review of a registrant. A minimum of one industry and one area of practice must be declared, but there is no maximum limit.

Please note that the list of industries and areas of practice may not capture every industry and area of practice in which Engineers and Geoscientists BC registrants practice. In these cases, registrants can choose the "other" option and manually enter in this information.

Registrants’ industry and area(s) of practice can be declared, reviewed, and updated through their online Account with Engineers and Geoscientists BC.

**PROVIDING INFORMATION**

When providing this information, first select your industry of practice, then select your area(s) of practice. The following examples have been provided below to help registrants understand how to declare these details.

**EXAMPLE 1**
An engineer works for a consulting firm that focuses on structural engineering services and the engineer’s work is focused on structural design of concrete, steel, and wood frame buildings. In this case the engineer may declare the following:

- **Industry of Practice:** Consulting Engineering – Structural
- **Area(s) of Practice:** Engineering – Structural – Building Design/Const – Concrete Engineering – Structural – Building Design/Const – Steel Engineering – Structural – Building Design/Const – Wood

**EXAMPLE 2**
A geoscientist works for a mining firm as a Mine Geoscientist, but also conducts mineral exploration related work for the firm. In this case the geoscientist may declare the following:

- **Industry of Practice:** Resources – Mining
- **Area(s) of Practice:** Geoscience – Geology – Mine Geology Geoscience – Geology – Exploration Geology

**EXAMPLE 3**
An engineer works for a software development firm and their work is focused on aerospace. In this case the engineer may declare the following:

- **Industry of Practice:** High Technology – Software Development
- **Area(s) of Practice:** Engineering – Aeronautics/Aerospace – Avionics/Software/Communications Engineering – Aeronautics/Aerospace – Other

**EXAMPLE 4**
An engineer is working for a financial planning institution and is not practicing within the definition of professional engineering, but is focused on business development. In this case the engineer may declare the following:

- **Industry of Practice:** Non-Regulated Practice – Financial Planning
- **Area(s) of Practice:** Non-Regulated Practice – Business Services Non-Regulated Practice – Sales & Marketing
INDUSTRIES OF PRACTICE

CONSTRUCTION AND MANUFACTURING
Concrete & Precast
Construction
Design/Build
Fabrication
Heavy Manufacturing
Light Manufacturing
Other

CONSULTING ENGINEERING
Aeronautics/Aerospace
Agriculture
Biomedical
Building Science
Chemical
Civil
Coastal and Ocean
Computer
Construction
Electrical/Electronic
Environmental
Fire Protection
Food/Beverage
Forest
Geological
Geotechnical
Groundwater
Industrial/Manufacturing
Land Development
Management
Marine/Naval
Materials Handling
Mechanical
Metallurgical/Materials
Mining
Petroleum
Power (Energy)
Project Management
Pulp & Paper
Safety
Structural
Surveying/Geomatics
Transportation
Water Resources
Other

CONSULTING GEOSCIENCE
Coastal and Ocean
Environment
Geochemistry
Geology
Geophysics
Geotechnics
Hydrogeology
Hydrology
Management
Mineral Exploration
Other

GOVERNMENT
Agencies
Crown Corporations
Federal
First Nations
Government Ministry not defined in the PGA as a Government Registrant
Health Care
Military
PGA Defined Government Registrant
Provincial/Territorial
Regional, Municipal
Other

HIGH TECHNOLOGY
High Technology Manufacturing
Instrumentation/Controls
Product Development
Research and Development
Security
Software Development
Systems Integration
Other

NON-REGULATED PRACTICE
Education
Financial Planning
Law/Arbitration
Management Consulting
Non-Profit Associations
Service Industry
Other

RESOURCES
Agriculture
Aquaculture
Chemical
Fishing
Forestry
Mining
Oil and Gas
Pulp & Paper
Other

UTILITIES, COMMUNICATIONS, & TRANSPORTATION
Communication & Telecommunication
Electric and Gas Utilities
Facility Management
Pipelines
Transportation
Water Supply
Other

OTHER

Agriculture
Aquaculture
Chemical
Fishing
Forestry
Mining
Oil and Gas
Pulp & Paper
Other
# AREAS OF PRACTICE – ENGINEERING

## AERONAUTICS/AEROSPACE
- Aerodynamics/Flight Test Engineer
- Air/Spacecraft/Station Design
- Avionics/Software/Communications
- Environmental/Experiments
- Operations
- Propulsion
- Space Systems/Subsystems
- Structures
- Other

## AGRICULTURAL
- Agrifood Processing
- Construction
- Hydraulics/Hydrology
- Irrigation and Drainage
- Machinery
- Soils/Soil Mechanics
- Other

## BIOMEDICAL
- Equipment
- Prostheses
- Other

## BIORESOURCE

## BIOSYSTEMS

## BUILDING ENVELOPE
- Advanced Materials & Polymers Building
- Enclosure Assessment & Design
- Energy Use Assessment
- Other

## CHEMICAL
- Biochemical
- Corrosion
- Equipment
- Foodstuffs
- Heat Transfer/Energy Conservation
- Petrochemical
- Process Design and Control
- Processes/Production
- Other

## CIVIL
- Building Construction/Maintenance
- Coastal and Ocean Engineering
- Foundations/Soils/Geotechnology
- Hydraulics and Hydrotechnical
- Hydroelectricity/Dams
- Hydrology
- Marine Installations
- Municipal/Urban/Town Planning
- River Engineering
- Roads, Rails, Airports
- Traffic/Signage
- Transportation
- Water Resources
- Water/Sanitary
- Other

## COMPUTER
- Hardware
- Information systems
- Network
- Software
- Systems/System Integration
- Other

## ELECTRICAL/ELECTRONIC
- Alternative Energy Systems
- Controls/Robotics
- Electronics/Microelectronics
- Energy Management
- Instrumentation & Controls
- Microwave
- Power Equipment/Electronics
- Power Generation/Distribution
- Radio Frequencies
- SCADA Systems
- Services: Lighting, Building, Roadway
- Telecommunications
- Underwater Systems
- Other

## ENGINEERING PHYSICS
- Acoustics, Vibrations
- Optics, Lasers
- Systems, Apparatus
- Other

## ENVIRONMENTAL
- Air Assessment/Monitoring/Management Audits/Site Remediation
- Climate Risk Management
- Climate Science
- Coastal/Ocean Assessments and Management
- Emergency Preparedness/Response
- Environmental Training
- Fisheries/Aquaculture
- Greenhouse Gas Calculation
- Hazard and Mitigation Assessments
- Impact Assessment
- Noise Management
- Regulatory Process Management
- Soils/Groundwater Management
- Sustainability
- Waste Management
- Wastewater Treatment/Management
- Water Supply/Treatment/Conservation
- Other

## FIRE PROTECTION
- Code Consulting
- Detection and Control
- Investigation
- Loss Prevention
- Risk Assessment
- Safety Analysis
- Testing
- Other
<table>
<thead>
<tr>
<th>Category</th>
<th>Subcategories</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FOREST</strong></td>
<td>Forest Operations, Forest Planning, Harvesting, Hydrology, Soil Structures, Transportation Systems, Wood Products, Other</td>
</tr>
<tr>
<td><strong>GEOLOGICAL ENGINEERING</strong></td>
<td>Economic, Geophysics, Geotech./Soil Mech./Rock Mech., Hydrogeology, Prospecting, Resource Evaluation, Other</td>
</tr>
<tr>
<td><strong>GEOTECHNICAL</strong></td>
<td>Buildings, Hazards, Other Structures, Other</td>
</tr>
<tr>
<td><strong>INDUSTRIAL/MANUFACTURING</strong></td>
<td>Automatic Assembly, Cost/Inventory Control, Facilities, Maintenance, Operations, Instrumentation/Equipment, Materials Handling/Packaging, Production Systems, Quality Assurance, Safety/Ergonomics, Other</td>
</tr>
<tr>
<td><strong>MINING</strong></td>
<td>Design Installations, Drilling, Environmental Impacts, Exploration, Explosives, Extraction/Processing, Machinery/Equipment, Metal Fabrication, Mine Construction, Mine Evaluation, Mine Tailings, Mining Operation, Reclamation, Rock Mechanics, Other</td>
</tr>
<tr>
<td><strong>METALLURGICAL/MATERIALS</strong></td>
<td>Ceramics, Composite Materials, Corrosion, Extractive, Failure Analysis, Materials Handling, Metal Shaping, Assembly, Metals and Alloys, Physical, Process Engineering, Semiconductors, Welding, Other</td>
</tr>
<tr>
<td><strong>PULP &amp; PAPER</strong></td>
<td>Controls, Environment, Machinery/Equipment, Materials Handling, Plant Operations, Processes, Structural/Construction, Other</td>
</tr>
<tr>
<td><strong>PETROLEUM</strong></td>
<td>Drilling and Rock Mechanics, Pipelines, Process &amp; Design, Production Facilities, Recovery, Refinery, Reservoir Engineering, Subsea, Other</td>
</tr>
<tr>
<td><strong>OTHER ENGINEERING</strong></td>
<td>Administration/Management, Education, Health &amp; Safety, Military, Project Management, Quality Management, Surveying/Geomatics, Other</td>
</tr>
</tbody>
</table>
AREAS OF PRACTICE – GEOCHEMISTRY

GEOCHEMISTRY
Environmental Geochemistry
Exploration Geochemistry
Geochemistry
Marine Geochemistry
Other

GEOLOGY
Biostratigraphy
Coal Geology
Coastal Geology
Economic Geology
Engineering Geology
Environmental Geology
Exploration Geology
Geochronology

Geographic Information Systems
Geology
Geomathematics
Geomorphology
Marine Geology
Mine Geology
Mineralogy
Palaeontology
Petroleum Geology
Petrology
Sedimentology
Stratigraphy
Structural Geology
Surficial Geology
Volcanology
Other

GEOPHYSICS
Environmental Geophysics
Geophysics
Glaciology
Marine Geophysics
Seismology
Other

ENVIRONMENTAL GEOSCIENCE
Climate Risk Management
Climate Science
Coastal/Ocean Assessments and Management
Engineering Geology
Forest Practices Geology
Hazard and Mitigation Assessments

Hydrogeology
Hydrology
Land Reclamation Geology
Terrain Analysis
Other

OTHER GEOSCIENCE
Administration/Management
Education
Health & Safety
Military
Project Management
Quality Management
Surveying/Geomatics
Other

AREAS OF PRACTICE – OTHER

Accounting
Architecture
Business Services
Charity
Commerce/Trade
Communications
Economics

Education (non-teaching)
Education (teaching)
Finance
Health Care
Humanities
Human Resources
Insurance

Journalism
Language Learning
Law
Mathematics
Medicine
Membership Organizations
Real Estate

Sales & Marketing
Tourism
Other