

A **Practice Area (PA)** is defined as an area of expertise that requires specialized knowledge, skills and experience. PAs identify functional areas of practice within the profession of agrology as uniquely as possible. A description of practice areas can be found by clicking [HERE](#).

For members who require Professional Development courses for the purpose of addressing practice area knowledge requirements, please click [HERE](#).

**NOTE: In-training members must have attained the required practice-area-specific work EXPERIENCE in at least one practice area within which they are currently active, before they apply for the RTAg or PAg title. Granting the RTAg or PAg title will not be considered by the Registration Committee until the work experience requirement is met.**

**Once the RTAg or PAg title has been attained, independent professional practice as a PAg or RTAg requires that the practice-area-specific work experience has been attained for any practice area within which the RTAg or PAg wishes to provide professional services. Also, the knowledge requirements described in the respective practice standard(s) must be met before providing professional services in an additional practice area.**

Detailed practice standards describe the knowledge, experience, skill sets and performance standards for professional practice within a practice area. Fifteen detailed practice standards exist for the practice areas listed in the table below.

| Practice Area   | Practice Standard  |
|---|--|
| Agricultural Marketing and Sales                            | This Practice Area has a new Practice Standard, <a href="#">click here for the standard.</a> |
| Agricultural and Natural Resource Economics                 | This Practice Area has a new Practice Standard, <a href="#">click here for the standard.</a> |
| Assessment, Remediation and Management of Contaminated Land | This Practice Area has a new Practice Standard, <a href="#">click here for the standard.</a> |
| Biophysical Classification and Evaluation                   | This Practice Area has a new Practice Standard, <a href="#">click here for the standard.</a> |
| Crop Production   | This Practice Area has a new Practice Standard, <a href="#">click here for the standard.</a> |
| Environmental Monitoring                                    | This Practice Area has a new Practice Standard, <a href="#">click here for the standard.</a> |
| Greenhouse Gas Assessment and Management (Agricultural)     | This Practice Area has a new Practice Standard, <a href="#">click here for the standard.</a> |
| Land Conservation and Management                            | This Practice Area has a new Practice Standard, <a href="#">click here for the standard.</a> |
| Land Reclamation  | This Practice Area has a new Practice Standard, <a href="#">click here for the standard.</a> |

|   |  |
|---|--|
| Livestock Production                    | This Practice Area has a new Practice Standard, <a href="#">click here for the standard.</a> |
| Management                              | This Practice Area has a new Practice Standard, <a href="#">click here for the standard.</a> |
| Rangeland and Pasture Management        | This Practice Area has a new Practice Standard, <a href="#">click here for the standard.</a> |
| Rural Development and Support           | This Practice Area has a new Practice Standard, <a href="#">click here for the standard.</a> |
| Water Resources Planning and Management | This Practice Area has a new Practice Standard, <a href="#">click here for the standard.</a> |
| Wetland and Riparian Areas              | This Practice Area has a new Practice Standard, <a href="#">click here for the standard.</a> |

As the institute develops practice standards for the remaining 4 practice areas they will be added to the table above. Until a practice area has an existing practice standard, the core knowledge table will continue to provide guidance to members on knowledge requirements for each practice area.

| Practice Area   | Core Knowledge Areas   |  |  |  |   |   |
|---|--|--|--|--|---|---|
| Biosystems, Biosolids, Compost and Manure Management    | Compost Development and Management<br>OR<br>Digestion Systems<br>OR<br>Energy and Biogas Production                | Residuals (Waste) Management<br>OR<br>Materials Handling and Processing<br>OR<br>Odour Control | Land Application<br>OR<br>Livestock System<br>OR<br>Cropping System              | Biochemistry<br>OR<br>Organic Chemistry<br>OR<br>Inorganic Chemistry                             | Soil Chemistry<br>OR<br>Soil Fertility<br>OR<br>Soil Physics                  | Microbiology<br>OR<br>Plant/Soil Relations<br>OR<br>Contaminant Fate and Behaviour        |
| Environmental Impact Assessment and Mitigation Planning | Environmental Impact Assessment Methodology<br>OR<br>Environmental Management Systems<br>OR<br>Mitigation Planning | Soil Conservation/ Reclamation<br>OR<br>Soil Classification<br>OR<br>Soil Chemistry            | Hydrology<br>OR<br>Water Quality<br>OR<br>Erosion Control                        | Environmental Regulations<br>OR<br>Project Management<br>OR<br>Environmental Planning            | Ecology<br>OR<br>Biophysical Inventory  | Socio- Economic Planning<br>OR<br>Environmental Economics<br>OR<br>Stakeholder Engagement |
| Food Development and Processing                         | Food Processing Technologies<br>OR<br>Food Product Development   | Food Policy<br>OR<br>Food Legislation  | Food Nutrition<br>OR<br>Food Biochemistry  | Food Microbiology  | Quality Assurance<br>OR<br>Food Safety Systems                                | Food Chemistry  |
| Regulatory Support and Consultation                     | Agricultural, Environmental and Food Legislation<br>OR<br>Policy   | Stakeholder Communications<br>OR<br>Stakeholder Consultation and Mediation                     | Resource Management<br>OR<br>Environmental Protection<br>OR<br>Impact Assessment | Crop Production<br>OR<br>Animal Production<br>OR<br>Wildlife Management<br>OR<br>Food Production | Conservation Planning<br>OR<br>Reclamation Planning<br>OR<br>Systems Planning | Regulatory Compliance Reporting   |