

## Certificate in Food, Agriculture and Sustainability – CHECKLIST

**Eligibility:** Available to any Dalhousie undergraduate degree-seeking student

**Certificate grade requirements:** Cumulative average GPA of at least 3.0 (B) with no individual course grade less than C in all courses counting for the Certificate.

### Certificate Course Requirements:

Total 15 credit hours including:

- 6 credit hours fulfilled by two required (“core”) courses
- 9 credit hours from elective course list

#### A. Certificate Core Courses (6 credit hours, 2 courses)

Students must complete both of the following courses, available to students in third year and above (completion of at least 60 credit hours). No pre-requisite courses. Fill in grade when complete.

Course number	Course title	Delivery	Campus	Grade
AGRI 4001.03	Agriculture, Food and Well-being	Online	Truro	
SUST 3101.03	Food Systems & Sustainability: Feeding the Ten Billion	Online (summer) or in-person (winter)	Halifax	

#### B. Certificate Elective Courses (9 credit hours, 3 courses)

Students must complete **3 courses** from this list. Fill in grade when complete.

Course number	Course title	Delivery	Campus	Grade
ENVA 2003.03*	Introduction to Urban and Peri-urban Agriculture	Online	Truro	
ENVA 4006.03	Air, Climate and Climate Change	Online	Truro	
AGRI/SUST 3302.03*	Measuring Food Sustainability	In-person Field Course	Truro & Halifax	
AGRI 1000.03*	Agriculture Ecosystems	In-person	Truro	
MGTA 4006.03	Issues in Agribusiness Sustainability	In-person	Truro	
POLS 2000.03*	Global Politics of Agriculture and Conservation	In-person	Truro	
SOCI 2000.03*	Sociology of Food and Agriculture	In-person	Truro	
SOIL 2000.03*	Introduction to Soil Science	Online or in-person	Truro	
BIOL 3634.03	Agroforestry	In-person Field Course	Halifax	
ECON 1214.03*	Economics of Food and Food Systems	In-person	Halifax	
ENVS/BIOL 3226.03	Economic Botany, Plants and Civilization	In-person	Halifax	
INTD 3114.03	Agricultural Development (How not to feed the world)	In-person	Halifax	
SOSA 2403.03*	Food Activism	In-person	Halifax	

\* Certificate elective courses with no pre-requisites. AGRI/SUST 3302 requires completion of 60 credit hours (third year status) but has no pre-requisites.

The other elective courses have pre-requisites. Please consult Academic Calendar. Some Instructors may consider admitting students other relevant prior coursework. If you are interested in a course and would like permission to register, please reach out to the Instructor(s) directly.

## **Certificate Learning Outcomes**

A student who completes the Certificate in Food, Agriculture, and Sustainability will be able to:

1. Describe how food and agricultural systems intersect with and impact human well-being
2. Detail the biophysical sustainability impacts associated with agriculture and food systems, and how these change over time
3. Detail the social and cultural dimensions of food production and consumption, and how these change over time
4. Analyze the impacts of population growth, increasing prosperity, globalization, and/or internationalization on food systems
5. Describe the impacts of environmental change on food systems, including biophysical and/or social outcomes
6. Distinguish between popular and research-supported food and agriculture sustainability claims
7. Develop the capacity to evaluate current and future food systems

## **Certificate Coordinators**

Laurel Schut - Halifax Campus ([laurel.schut@dal.ca](mailto:laurel.schut@dal.ca))

Paul Manning – Truro Campus ([paul.manning@dal.ca](mailto:paul.manning@dal.ca))

## **Tips and Reminders**

- A course taken for a Certificate may also count for a Major or Minor or other Certificate
- Courses that are cross-listed with Certificate courses are equivalent and may be taken for the Certificate.
- To make it official, declare the Certificate in Dal Online, Web for Students
- When you apply to graduate from your Degree, you will also need to apply to graduate from the Certificate
- If you have questions, please contact the Certificate Coordinators: [Laurel.Schut@dal.ca](mailto:Laurel.Schut@dal.ca) (Halifax) or [paul.manning@dal.ca](mailto:paul.manning@dal.ca) (Truro)