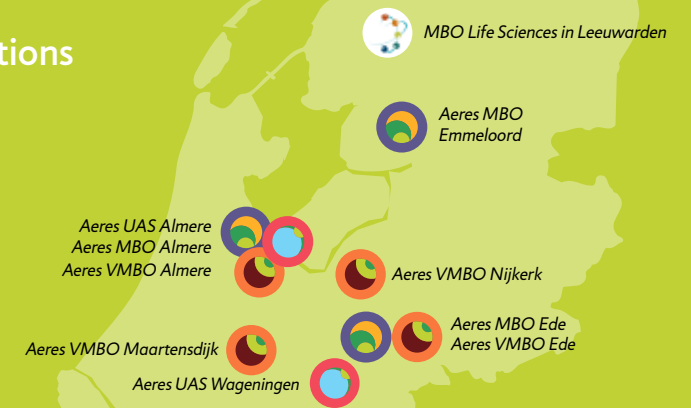


Our world of Applied Biology

Due to the increasing world population, natural ecosystems are coming under more and more pressure, with all the consequences for plants and animals that this entails. Young people who care about nature will find a wide range of courses at Aeres covering areas such as sustainable management, soil science, landscape management, geology, water management and microbiology. Students conduct a great deal of applied research both indoors and outdoors, often commissioned by a company or institution. With its Applied Biology programmes, Aeres actively contributes to a liveable and sustainable environment for humans and animals.



Teaching locations



Courses and careers

Pre-vocational secondary professional education electives

- Active in nature
- Naturally green
- Water & Nature
- Working on nature and the environment

Vocational Education Level 4 (3- and 4-year courses)

Future careers:

- Almere:**
- Applied Biology with course completion profiles:
 - Living environment researcher
 - Living environment advisor
 - Ecologist
 - Wildlife & Nature

Ede:

- Environmental research expert
- Ecology expert
- Expert on nature and the public

Emmeloord:

- Applied Biology, with a focus on nature-inclusive agriculture

Leeuwarden:

- Living environment researcher
- Living environment advisor

Higher professional education: Associate degree Bushcraft trainer

Higher professional education: Bachelor

- Applied biology
- Nature and communication teacher and knowledge manager
- Accelerated course Green sector teacher and knowledge manager (teaching qualification in one year)

Options for specialisation:

Applied Biology, 3rd year:

- Plant
- Animal
- Nature
- Water

Applied Biology, 4th year, amongst others:

- Aquatic Ecosystem Analysis
- Plant Breeding
- Ecological advice & nature development



Student numbers



Vocational education

± 255 students



Higher professional education

± 455 students



International

- Aeres MBO Almere: ± 45% do an international internship
- Aeres MBO Ede: ± 20% do an international internship
- Aeres MBO Emmeloord: ± 70% do an international internship
- Working trips for Aeres MBO Almere students to, for example, Costa Rica, Indonesia or Uganda
- Co-operation with colleges and universities, including VIVES University of Applied Sciences (Belgium), UniLaSalle (France), the University of Zadar in Croatia
- Continuing education at Aeres for wildlife parks worldwide
- Aeres University of Applied Sciences Almere: 100% do internships in, for example, Bonaire, Costa Rica, Curaçao, Indonesia, New Zealand, Madagascar, Mozambique, Panama, Sri Lanka, Sint Eustatius, Suriname, South Africa and various European countries
- Aeres University of Applied Sciences Wageningen: (own) field trips with the Nature and Communication study association



Options for continuation

Aeres MBO Almere: ± 75% of Applied Biology students continue on to higher professional education

Aeres MBO Ede: ± 40% of Applied Biology students continue on to higher professional education

Aeres MBO Emmeloord: ± 65% of Applied Biology students continue on to higher professional education

Nordwin College Leeuwarden: ± 80% of Applied Biology students continue on to higher professional education

Continuation after higher professional education: various university courses are an excellent fit for study after the higher professional education course

Stimulating continuation

Customised programme in Almere: Earn a Vocational education and higher professional education diploma in five years (only possible with a HAVO or VWO diploma)

Skip the foundation course: 1st year of higher professional education incorporated into the Vocational education programme (conditions apply)

Keep the level difference to a minimum: Target level of higher general secondary education during Vocational education for smooth transition to higher professional education

Het Groene Lyceum: ('The Green Grammar School'): Students with a higher general secondary education background can earn a pre-vocational secondary professional education (GL/TL) AND Vocational education diploma in six years at Aeres MBO Almere.

Collaborations

Amongst others:

- 🔗 With universities
- 🔗 With ecological consulting and engineering firms
- 🔗 Amsterdam Green Campus
- 🔗 Easy Grow
- 🔗 CIV Water (Innovative knowledge Centre)
- 🔗 Flevo Campus
- 🔗 Flevlands Landschap ('Flevoland Landscape')
- 🔗 Floriade
- 🔗 Floriade Academy
- 🔗 Floron
- 🔗 IVN
- 🔗 Landschapsbeheer Flevoland ('Flevoland Landscape Management')
- 🔗 Naturalis
- 🔗 Natuurmonumenten (Society for Preservation of Nature Monuments in the Netherlands)
- 🔗 Netwerk Groene Bureaus ('Green Bureaus Network')
- 🔗 Ravon
- 🔗 Sovon
- 🔗 Staatsbosbeheer (Dutch Forestry Commission)
- 🔗 Water Application Centre (WAC)
- 🔗 Waternet

Research and projects

Research groups

- Agricultural water management
- Aquatic Ecology
- Sustainable Soil Management
- Ecologically Wise: Insects & Society
- Crop protection
- Green & Vital City

Examples of projects

- Biodiversity in the City
- Learning packages relating to Soil and Water
- Hydroponics: growing plants without soil

- Environmental DNA
- Green Drone Academy
- Ecological research for Flevoland landscape management
- Research into soil and water quality in nature reserves
- Educational products for Staatsbosbeheer (the Dutch Forestry Commission) and Floriade
- Cultivation assignments from growers and plant breeders
- Research in river basins
- Better Wetter (regional water quality project)
- Huisduinen
- RIF Biobased Economy (Regional Investment Fund)
- Biodiversity pact