BUSINESS ACADEMY AARHUS
UNIVERSITY OF APPLIED SCIENCES

Curriculum 2016

Environmental Management, Agro Business and Landscape Management

Jordbrugsteknolog

Version 1.1
Revised March 2016

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1. Scope of the curriculum

1.1. Commencement of the curriculum

This curriculum is valid for students starting in September 2016, and this joint national part applies to the following institutions:

Business Academy Aarhus
www.baaa.dk

Lillebaelt Academy
www.eal.dk

Zealand Institute of Business and Technology
www.easj.dk

1.2. Transitional scheme

This joint national part of the curriculum is valid from 1 September 2015 and applies to present and future students registering for this programme and for exams taking place on the mentioned date or later.

This joint national part of the curriculum replaces the 2014 version, which will not be effective from 31st August 2015

However, students who started in 2014, will continue to follow the curriculum from 2014.

1.3. The programmes framework

This curriculum for the Environmental Management programme has been drawn up in accordance with the guidelines laid down in Ministerial Order 169 of 16 February 2015 for the Academy Profession Degree in the field of agriculture (AP in Environmental Management).

The prescribed duration of this full-time programme is 2 student full-time equivalents. A student full-time equivalent equals a full-time student's work for 1 year. A student full-time equivalent equals 60 credits in the European Credit Transfer System (ECTS). This programme is therefore prescribed for a total of 120 ECTS credits.

1.4. Overview of the programme

		Core elements	1st academic year	2nd academic year
Core elements **Joint subjects**	5 ECTS	Globalisation	5 ECTS	
	10 ECTS	Business and companies	10 ECTS	
	10 ECTS	Management and communication	10 ECTS	
	15 ECTS	Management and control systems	10 ECTS	5 ECTS
Core elements within the study programme	40 ECTS	**One** of the following study programmes must be chosen: - Agro economics and management - Buildings and technology - Livestock production - Plant production - Landscape management - Environmental and nature management	25 ECTS	15 ECTS
Elective programme elements	10 ECTS			10 ECTS
Internship	15 ECTS			15 ECTS
Main exam project	15 ECTS			15 ECTS

1.5. Admission

Admission is in accordance with Ministerial Order no. 85 of 26 January 2016 on the admission to business academy programmes and academy profession degree programmes. The Ministerial Order is available at retsinfo.dk (in Danish only).

These are the admission requirements for the programme:

Admission with a Danish upper secondary school exam:

- Specific admission requirements: mathematics C and biotechnology A or chemistry C

Admission with a vocational education:

- Landscape gardener (stage 2), animal keeper (stage 2), agricultural college (with specialisations), industrial gardener (stage 2), forest and nature technology (stage 2), greenhouse gardener (stage 2)
- No specific admission requirements:

Access via a relevant vocational education not mentioned above:

- Specific admission requirements: mathematics C and either biotechnology A or physics C or chemistry C or science C

Other admission possibilities:

- The entrance examination for an engineering degree
- No specific admission requirements:

1.6. The purpose of the programme

The purpose of this programme is to qualify the graduate to independently carry out work concerning planning, organising and conducting tasks associated with dissemination, advice, production and management within the field of agriculture and landscape.

Learning outcomes for the AP in Environmental Management
Learning outcomes include the knowledge, the skills and the competencies that an Environmental Management graduate must achieve from the programme.

Knowledge
The graduate has knowledge about:

- the industry's structure and position in society nationally and globally
- relevant theories, methods and practices in relation to the profession
- theory and methodology in relation to searching and disseminating information and
- the appropriate legal basis.

Skills
The graduate is able to:

- understand and disseminate knowledge about the company's organisation, management, customisation and development, apply management theories and disseminate academic knowledge
- evaluate the production and service in relation to methods and legislation
- process problems, develop solutions and evaluate their effects
- develop coherent and realistic solutions and evaluate the effect of the proposed solutions and
- apply appropriate control systems for the project, production, finances, quality and environmental management.

Competencies
The graduate is able to:

- process complex and practice-orientated issues in an analytical and methodical way
- work innovatively with choosing methods and solving actual tasks
- participate in academic and interdisciplinary collaboration and

- acquire new knowledge and skills in relation to the profession's development.

See appendix 1 for additional learning objectives for each of the study programmes.

2. Core areas of the programme

This programme includes the following core elements for all study programmes:

1. Globalisation (5 ECTS)
2. Business and companies (10 ECTS)
3. Management and communication (10 ECTS)
4. Management and control systems (15 ECTS)

In all 40 ECTS

2.1. Core element 1, Globalisation

Weight: 5 ECTS

Contents

- International trading relationships and economics within the industry
- International climate and environmental knowledge
- International cultural understanding on the basis of the industry.

Knowledge

The student will gain knowledge about:

- the industry's structure, location and development, nationally and internationally
- an understanding of business practices within a variety of global factors, including the economy, trade, development and culture.

Skills

The student will get the skills to:

- evaluate and communicate the industry's production, service and management in national and international affairs.

Competencies

The student will learn to:

- acquire new knowledge in relation to their profession in a global context.

2.2. Core element 2, Business and companies

Weight: 10 ECTS

Contents

- Business Economics
- Marketing
- Organisation

Knowledge

The student will gain knowledge about:

- the company and the industry's structure and understand the associated central theories and methods used within the industry and company.

Skills

The student will get the skills to:

- apply, evaluate and disseminate the company's and the industry's practice-orientated issues using central methods and tools from within the industry and company.
- prepare and choose solutions in relation to the company's and industry's economic alignment and development and disseminate these to business partners and users.

Competencies

The student will learn to:

- in development-orientated situations, acquire new knowledge, skills and competencies within the industry and company in relation to industry relevant commercial and business-orientated issues
- participate in academic and interdisciplinary collaboration concerning the industry and business-orientated issues.

2.3. Core element 3, Management and communication

Weight: 10 ECTS

Contents

- Management
- Communication

Knowledge

The student will gain knowledge about:

- an understanding of industry practices
- centrally applied theory and methodology in relation to leadership and communication.

Skills

The student will get the skills to:

- apply, evaluate and disseminate central theories and methods in the field of management and communication

- prepare, compile, evaluate and select solutions for practice-orientated problems within the field of management and communication.

Competencies
The student will learn to:
- manage development-related issues in an academic and interdisciplinary collaboration in a professional way
- independently acquire new knowledge, skills and competencies in relation to the industry.

2.4. Core element 4, Management and control systems

Weight: 15 ECTS

Contents
- Analysis, planning and control systems
- Law and legal framework for the industry
- Quantitative and qualitative methods to the industry
- Quality assurance and control systems within the industry
- Methods in relation to the industry (assignment writing, thesis statement, forms, data collection, source referencing and source criticism).

Knowledge
The student will gain knowledge about:
- the practices and the centrally used theories and methods in relation to the industry, including quality systems and control systems
- the centrally applied legal framework related to the industry.

Skills
The student will get the skills to:
- apply central control systems for analysis, planning and management in the company
- to evaluate practice-orientated issues and devise coherent and realistic solutions and assess the effect of the proposed solutions.

Competencies
The student will learn to:
- manage and process complex and practice-orientated issues in an analytical and methodical way.
- participate in academic and interdisciplinary cooperation in a professional, methodical and industry-related approach
- in a structured project context, to apply the methods and analysis tools to acquire new knowledge, skills and competencies within the industry.

3. Core elements within the set study programme:

This programme includes the following core elements for all set study programmes:

Environmental and nature management

1. nature, ecology and environment (20 ECTS)
2. project design and care (10 ECTS)
3. landscape and environmental management (10 ECTS)

3.1 Core element within the programme: Environmental and nature management

Content and learning objectives for core element 1, nature, ecology and environment
Weight: 20 ECTS

Contents

- Ecological contexts
- Landscape theory
- Environmental theory
- Soil science

Learning objectives

Knowledge
The student will gain knowledge about:

- ecosystems, energy and substance cycles as well as production in association with the industry and the subject's practice
- an understanding of the industry's central theories and practices regarding environmental and nature conditions for surface water and groundwater
- an understanding of the industry's central theories and practices in connection with the landscape's development and use, including soil and vegetation.

Skills
The student will get the skills to:

- apply the subjects key methodologies and tools for collecting data as well as registering environmental and nature conditions
- evaluate the practice-orientated issues for landscape and the industry as well as prepare and choose options for the improvement of the quality of the environment, nature and the landscape
- disseminate practice-orientated issues and possible solutions within the fields of environment and nature to partners and stakeholders.

Competencies

The student will learn to:

- participate in academic and interdisciplinary collaboration to assess and disseminate environment and nature related issues
- manage solutions for concrete problem statements in development-orientated situations.

Content and learning objectives for core element 2, project design and care
Weight: 10 ECTS

Contents

- Registration
- Design
- Planning and care

Learning objectives

Knowledge
The student will gain knowledge about:

- the methods, theory and practice in relation to the registration of nature, the environment and landscape conditions
- the industry's techniques and centrally applied theory and methodology in relation to the protection and improvement of the environment, nature and landscape.

Skills
The student will get the skills to:

- apply to key methodologies and tools for the registering and processing of geographical data
- prepare, evaluate and select options in relation to care and project design as well as convey solutions to partners and stakeholders.

Competencies
The student will learn to:

- manage development-orientated situations and participate in academic and interdisciplinary collaboration with the industry and stakeholders
- acquire new knowledge, skills and competencies in relation to specific issues in the field of environment, nature and landscape.

Content and learning objectives for core element 3, landscape and environmental management
Weight: 10 ECTS

Contents

- Nature, environmental and planning legislation
- Management, case handling and instruments

Learning objectives

Knowledge
The student will gain knowledge about:

- the industry and centrally applied rules and legislation
- the role of public administration in relation to the industry and to stakeholders.

Skills
The student will learn to:

- apply the relevant legislation in the case handling for the evaluation of the empirical problems within the industry
- evaluate, select and disseminate solutions and instruments for practice-orientated problem statements within nature, landscape and environmental management.

Competencies
The student will learn to:

- deal with development-oriented tasks related to the management of resources, the environment and nature
- participate in academic and interdisciplinary cooperation between stakeholders with a professional approach in connection with advice and case handling within the environmental and nature area.

4. Compulsory programme elements

The compulsory programme elements are:

1. Globalisation (5 ECTS)
2. Business and companies (10 ECTS)
3. Management and communication (10 ECTS)
4. Management and control systems 1 (10 ECTS)
5. Management and control systems 2 (5 ECTS)

40 ECTS in total

In addition, there will be 40 ECTS from the compulsory programme elements within the study programme.

The connection between ECTS credits for the core areas and the compulsory programme elements is illustrated below:

Table: Overview of the connection between core areas and compulsory elements

	Compulsory programme elements joint subjects 1st academic year 40 ECTS				Compulsory programme elements joint subjects 3rd semester	Compulsory programme elements - within the study programme		ECTS in total
Core elements	Globalisation	Business and companies	Management and communication	Management and control systems 1	Management and control systems 2	1st and 2nd semester	3rd semester	
Globalisation	5							5
Business and companies		10						10
Management and communication			10					10
Management and control systems				10	5			15
Core elements within the study programme						25	15	40
ECTS in total	**5**	**10**	**10**	**10**	**5**	**25**	**15**	**80**

4.1. Compulsory programme element: Globalisation

Weight: 5 ECTS, of which:

- 5 ECTS from the core area of Globalisation

Contents

- International trading relationships and economics within the industry
- International climate and environmental knowledge
- International cultural understanding on the basis of the industry

Learning objectives

Knowledge

The student will gain knowledge about:

- the industry's structure, location and development, nationally and internationally
- an understanding of business practices within a variety of global factors, including the economy, trade, development and culture.
- understanding sustainability in a global perspective.

Skills

The student will get the skills to:

- evaluate and communicate the industry's production, service and management in national and international affairs
- read and understand texts in a foreign language
- collect, register and process relevant information and apply this to the analysis of the industry's global issues.

Competencies
The student will learn to:

- acquire new knowledge in relation to their profession in a global context
- establish international industry relevant relationships.

Assessment
The learning objectives for the programme elements are part of the learning objectives for the 1st year exam, the 1st year exam consists of 2 sub-exams. See chapter 8 for an overview of the programme's exams.

For information on exam form and organisation, including a description of the 2 sub-exams, please refer to the institutional part of the curriculum.

4.2. Compulsory programme element: Business and companies

Contents

- Business Economics
- Marketing
- Organisation

Knowledge
The student will gain knowledge about:

- the company and the industry's structure and understand the associated central theories and methods used within the industry and company.

Skills
The student will get the skills to:

- use and disseminate basic knowledge of the company's organisation, adaptation and development
- analyse and understand the connection between a company's objective, development, activities, economy, management and sale
- carry out financial calculations and present proposals for a solution

Competencies
The student will learn to:

- in development-orientated situations, acquire new knowledge, skills and competencies within the industry and company in relation to industry relevant commercial and business-orientated issues
- participate in academic and interdisciplinary collaboration concerning the industry and business-orientated issues.

Assessment
The learning objectives for the programme elements are part of the learning objectives for the 1st year exam, the 1st year exam consists of 2 sub-exams. See chapter 8 for an overview of the programme's exams.

For information on exam form and organisation, including a description of the 2 sub-exams, please refer to the institutional part of the curriculum.

4.3. Compulsory programme element: Management and communication

Contents

- Management
- Communication

Knowledge

The student will gain knowledge about:

- industry relevant theory and methodology in relation to communication and management
- dissemination in relation to leadership and communication.

Skills

The student will get the skills to:

- apply management theories and evaluate business relationships internally and externally in an organisation
- communicate and advise academically so that the form and content is adapted to the target audience
- plan, organise, implement and evaluate tasks associated with dissemination and management.

Competencies

The student will learn to:

- analyse and provide solutions to specific problems by applying relevant theories and methods
- solve problems in academic and interdisciplinary collaboration with others
- acquire new knowledge and skills in connection with the profession's development.

Assessment

The learning objectives for the programme elements are part of the learning objectives for the 1st year exam, the 1st year exam consists of 2 sub-exams. See chapter 8 for an overview of the programme's exams.

For information on exam form and organisation, including a description of the 2 sub-exams, please refer to the institutional part of the curriculum.

4.4. Compulsory programme element: Management and control systems 1

ECTS credit

- 10 ECTS from the core element management and control systems

Contents

- Analysis, planning and control systems
- Law and legal framework for the industry
- Quantitative and qualitative methods to the industry
- Quality assurance and control systems within the industry
- Methods in relation to the industry (assignment writing: thesis statement, forms, data collection, source referencing and source criticism).

Knowledge

The student will gain knowledge about:

- the most centrally used theories and methods in relation to the industry
- the centrally applied legal framework related to the industry.

Skills

The student will get the skills to:

- apply central control systems for analysis, planning and management in the company
- evaluate practice-orientated issues and devise coherent and realistic solutions and assess the effect of the proposed solutions
- apply quantitative and qualitative methods to the industry
- use the subject's method in relation to writing of assignments and dissemination, including thesis statement, data collection, source referencing and source criticism.

Competencies

The student will learn to:

- in a structured project context, to apply the methods and analysis tools to acquire new knowledge, skills and competencies within the industry

Assessment

The learning objectives for the programme elements are part of the learning objectives for the 1st year exam, the 1st year exam consists of 2 sub-exams. See chapter 8 for an overview of the programme's exams.

For information on exam form and organisation, including a description of the 2 sub-exams, please refer to the institutional part of the curriculum.

4.5. Compulsory programme element: Management and control systems 2

ECTS credit

- 5 ECTS from the core element management and control systems

Contents

- Analysis, planning and control systems
- Law and legal framework for the industry

- Quality assurance and control systems within the industry
- Methods in relation to the industry (assignment writing: thesis statement, forms, data collection, source referencing and source criticism)

Knowledge
The student will gain knowledge about:

- the practices and the centrally used theories and methods in relation to the industry, including quality systems and control systems
- the legislative practice related to the industry.

Skills
The student will get the skills to:

- disseminate practice-orientated issues and possible solutions for business partners, using the industry's terminology.

Competencies
The student will learn to:

- manage and process complex and practice-orientated issues in an analytical and methodical way
- participate in academic and interdisciplinary cooperation in a professional, methodical and industry-related approach

Assessment
The learning objectives for the programme elements are part of the learning objectives for the 1st year exam, the 1st year exam consists of 2 sub-exams. See chapter 8 for an overview of the programme's exams.

For information on exam form and organisation, including a description of the 2 sub-exams, please refer to the institutional part of the curriculum.

4.6. Compulsory programme element: the set study programme; environmental and nature management

		Compulsory programme elements		
	Core elements	1st academic year ECTS	3rd semester ECTS	in total ECTS
Compulsory programme elements - within the study programme 40 ECTS	Nature, ecology and the environment	15	5	**20**
	Project design and care	5	5	**10**
	Landscape and environmental management	5	5	**10**
in total		**25**	**15**	**40**

Compulsory programme element 1st year of study: Environmental and nature management, nature, ecology and the environment, project design and care, landscape and environmental management

ECTS credit
25 ECTS

Contents

- Ecological contexts
- Landscape theory
- Environmental theory
- Soil science
- Registration and planning of smaller projects

Knowledge
The student will gain knowledge about:

- about ecosystems, energy and substance cycles as well as production
- groundwater and surface water as well as water and substance cycles
- vegetation ecology, flora and fauna
- landscape formation and soil
- chemical substances in the environment
- the registration as well as sampling strategies and methods
- methods for nature and landscaping
- techniques and facilities for the protection and improvement of the environment, the water environment, nature and the landscape
- legislation and other rules within nature, environmental and planning areas.

Skills
The student will get the skills to:

- evaluate a landscape as well as its elements and use in relation to dissemination, planning, operation and management
- collect data and carry out the registration of soil conditions and water as well as evaluate the results and plan for smaller projects
- apply methods and tools for sampling of soil and water
- evaluate the soil conditions and the binding of substances as well as movement of the earth
- register and collect geographic data by using of relevant software
- evaluate practice-orientated issues on the basis of the relevant legislation.

Competencies
The student will learn to:

- participate in interdisciplinary collaboration concerning planning, operation and management
- acquire new knowledge about soil conditions as well as binding and movement of substances in soil and water

- manage solutions in connection with smaller projects within the environment, the water environment, nature and landscapes
- acquire new knowledge about ecological contexts
- cooperate in a development-orientated manner about ecological matters.

Assessment
The learning objectives for the programme elements are part of the learning objectives for the 1st year exam, the 1st year exam consists of 2 sub-exams. See chapter 8 for an overview of the programme's exams.

For information on exam form and organisation, including a description of the 2 sub-exams, please refer to the institutional part of the curriculum.

Compulsory programme element 3rd semester Environmental and nature management, nature, ecology and the environment, project design and care, landscape and environmental management

ECTS credit
15 ECTS

Contents
- Project design and care
- Management, case handling and instruments
- Planning in the open countryside

Knowledge
The student will gain knowledge about:
- water, energy and substance cycles
- methods for nature and landscaping
- the public administration's set-up, case handling and instruments
- business partners and stakeholders outside of public administration and their scope.

Skills
The student will get the skills to:
- evaluate the environment and the state of nature based on the composition of flora and fauna
- evaluate the causes of degradation and propose measures for the improvement of the environment, nature and landscape quality
- evaluate techniques and facilities for the protection and improvement of the environment, the water environment, nature and the landscape
- design project proposals and evaluate their effect by applying the subjects central methods and legislation
- suggest care methods, techniques and equipment, as well as evaluate the economy.

Competencies
The student will learn to:

- manage solutions to concrete problems within the environment, the water environment and nature by the application of knowledge, theory and method
- in a structured context, plan and carry out registrations, measurements and sampling of the environment, water environment and nature areas
- in an interdisciplinary and academic way manage the environment and nature related issues
- advise the industry and stakeholders as well as case handle and deal with legislation within the environmental field.

Assessment
The learning objectives for the programme element are part of the learning objectives for the set study programme exam on the 3rd semester. See chapter 8 for an overview of the programme's exams.

For information on exam form and organisation, including a description of the exam, please refer to the institutional part of the curriculum.

5. Number of exams for the compulsory programme elements

The five compulsory programme elements are completed with the compulsory programme elements from the study programme in 2 exams, where the one, the 1st year's exam consists of 2 parts. For an overview of the programme's exams, see the section "Overview of the exams".

For an overview of the connection between the ECTS credits for the core areas and the compulsory programme elements, see the table in the introduction of chapter 4.

6. Internship

ECTS credit
15 ECTS.

The purpose of the internship as an environmental manager is intended to give students the opportunity to increase their academic and professional competencies through specialisation and consideration of various perspectives of subjects broadly related to the purpose of the programme.

The internship is completed with an exam, which is assessed according to the Danish 7-point scale. The exam form and organisation is determined by the individual institution and is described in the institutional part of the curriculum.

Learning objectives

Knowledge
The student will gain knowledge about:

- knowledge about the subject in practice

Skills
The student will get the skills to:

- analyse and evaluate practice-orientated problems
- apply theory for the preparation of possible solutions
- communicate problems and solutions

Competencies
The student will learn to:

- combine theory with practice for the solving of tasks
- solve tasks together with others across their profession and company
- reflect theoretically about the application of concepts and methods within the profession and for the selected focus area

Based on the above-mentioned learning objectives for the internship, the student, the company and the supervisor together establish the concrete objectives for the internship period.

The internship is concluded with an exam (Internship exam).

7. The main exam project

ECTS credit
15 ECTS.

7.1. Requirements for the main exam project

The main exam project is completed with an external exam. The exam consists of a written and an oral examination, and a combined mark is given.
The main exam project must demonstrate that the students, in a qualified manner, can combine theoretical, methodological and practical elements and can communicate these.

The problem statement must be central to the programme and profession, must be formulated by the students, usually in cooperation with a private or public company. The Academy approves the problem statement.

The main exam project must have maximum 100,000 characters, including spaces (about 40 standard pages). Front page, TOC, bibliography and appendices are not included. You must clearly state in the main text if any parts of the appendix need to be accessed.

7.2. Spelling and writing skills

Spelling and writing skills are included in the assessment of main exam project. The assessment reflects an overall assessment of the academic content as well as writing and spelling ability.

Students who can document a relevant disability can apply for an exemption from the requirement that spelling and writing skills are included in the assessment. An application must be sent to the applicable head of department no later than four weeks before the exam is due to be held.

7.3. Learning objectives

The main exam project must document that the graduation level of the programme has been obtained, cf. appendix 1 in "Ministerial Order for the AP degree programme Environmental Management".

The learning objective includes the knowledge, skills and competencies that an environmental management student must have obtained during the programme and must document that the learning objectives/graduation level have been obtained, cf. Ministerial Order no. 169 from the 16 of February 2015 for the AP degree programme in Environmental Management (see appendix 1).

7.4. Assessment

The exam is external and assessed according to the 7-point scale.

The exam is the final exam project and consists of a documentation part, a dissemination part and an oral part. Students are awarded one overall mark. The exam cannot take place until the main internship exam and the programme's other exams have been passed.

For information on exam form and organisation, please refer to the institutional part of the curriculum.

8. Overview of exams

Overview of all the programme's exams

Semester	Exam	Learning objectives which are included in the exam	120 ECTS distributed among the exams	Assessment	Co-examiner
1st semester	1. Sub-exam 1 from the first year exam	• Globalisation • Business and companies • Management and communication Management and control systems 1 • Learning objectives for the compulsory programme elements from the study programme's subject for the 1st and 2nd semesters	30	7-point scale	External
2nd semester	2. Sub-exam 2 from the first year exam		30	7-point scale	External
3rd semester	3. Study programme exam	• Management and control systems 2 • Learning objectives for the compulsory programme elements from the study programme's subject for the 3rd semester	20	7-point scale	Internal
3rd semester	4. Elective study elements	• Elective study elements	10	7-point scale	Internal
4th semester	5. Internship exam	• Internship learning objectives	15	7-point scale	Internal
4th semester	6. Main exam project	• Requirements for the main exam project	15	7-point scale	External

9. Credits

The institution can approve educational elements, or parts of these, which have been passed at other educational institutions and are considered equivalent to similar elements, or parts thereof, in this curriculum. If the element in question has been assessed according to the 7-point scale at the examining institution, and is equivalent to an exam in this curriculum, the mark will be transferred. In all other cases, the mark is transferred as 'passed' and will not be included in the calculation of the grade point average.

The institution may approve that elements, which have been passed in Danish or foreign higher education programmes, are substituted for elements included in this curriculum. On approval, the programme element is deemed to be passed if it was passed according to the rules of the programme in question. The assessment will be transferred as 'passed'.

The students are obliged to inform us of any completed educational elements from another Danish or foreign higher education programme or any jobs which are likely to provide credit. The Academy approves, in each instance, credit on the basis of completed programme elements and any jobs which meet the objectives of the subjects, the educational part and the internship parts. The decision is taken according to an academic assessment.

9.1. Credit for elective programme elements

Passed elective programme elements are equivalent to similar programme elements taken at other educational institutions offering this programme as well as other programmes.

9.2. Prior credit approval

Students may apply for prior credit approval. For prior credit approval of studies in Denmark or abroad, students are required to document each approved and completed programme element on the completion of these studies. In connection with applying for prior credit approval, the students give permission that the institution can obtain the necessary information after the student's completion.

Upon approval of the prior credit approval, the programme component is considered completed if it is passed according to the rules of the programme.

9.3. Rules of exemption

If warranted by exceptional circumstances, the Academy may deviate from what has been stated in this curriculum. All business academies that provide the Environmental Management programme cooperate for a uniform exemption practice.

10. Approval

This joint national part of the curriculum has been enacted and approved by the educational network for Environmental Management

For Business Academy Aarhus
Date / Signature

For Business Academy Lillebælt
Date / Signature

For Zealand Institute of Business and Technology
Date / Signature

11. Appendix 1

Objectives for the learning outcomes of the Academy Profession Degree in Environmental Management.

Learning outcomes include the knowledge, the skills and the competencies that an Environmental Management graduate must achieve from the programme.

Knowledge

An Environmental Management graduate has knowledge about:

1) the industry's structure and position in society nationally and globally
2) relevant theories, methods and practices in relation to the profession
3) theory and methodology in relation to searching and disseminating information and
4) the appropriate legal basis.

A graduate from the set study programme *environment and nature* will also have knowledge about the:

1) ecology and environment within the soil and water environments, plants and animals,
2) legal framework and administration within the landscape and environment areas,
3) prevention of environmental problems in the open countryside,
4) administration and quality of nature
5) environmental and nature monitoring in land and water areas.

Skills

A graduate of Environmental Management is able to:

1) understand and disseminate knowledge about the company's organisation, management, customisation and development, apply management theories and disseminate academic knowledge
2) evaluate the production and service in relation to methods and legislation
3) process problems, develop solutions and evaluate their effects
4) develop coherent and realistic solutions and evaluate the effect of the proposed solutions and
5) apply appropriate control systems for the project, production, finances, quality and environmental management.
1) evaluate, calculate and price garden/park/ground and care assignments
2) evaluate a plant's growth conditions and establishment methods and
3) apply industry-relevant software.

A graduate from the set study programme *environment and nature* will also be able to:

1) collect data and carry out the registration of soil, water and air conditions as well as evaluate the results,
2) be included in the design, management and maintenance of environmental improvement works,
3) measure, design and care for natural areas,
4) apply IT and relevant software, including GIS, and
5) disseminate knowledge about the environment and nature.

Competencies

A graduate of Environmental Management is able to:

1) process complex and practice-orientated issues in an analytical and methodical way
2) work innovatively with choosing methods and solving actual tasks
3) participate in academic and interdisciplinary collaboration and
4) acquire new knowledge and skills in relation to the profession's development.

A graduate from the set study programme *environment and nature* will also be able to:

1) manage solutions to problems within environment and nature with the application of relevant theories, methods, tools and legislation,
2) evaluate and disseminate environment and nature related issues,
3) advise on and manage issues within the environment and nature areas and
4) in a structured context, plan and carry out registrations, measurements and sampling of the environment and nature areas