ERHVERVSAKADEMI
AARHUS

Curriculum 2015-2017

Professionsbachelor i Jordbrugsvirksomhed

Bachelor in Agricultural and Environmental Management

Version 3.0

Table of Contents

1. Scope of the curriculum

1.1 Commencement of the curriculum

This curriculum is valid for students starting in August 2015, and this joint national document applies to the following institutions:

Business Academy Aarhus
www.baaa.dk

Business Academy Lillebælt
www.eal.dk

Business Academy Sjælland
www.easj.dk

1.2 Transitional scheme

This joint national part of the curriculum is valid from August 1st, 2015 and applies to present and future students signing up 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 August 1st, 2015. However, exams that have been started before August 1st, 2015 must be completed in accordance with the former joint national curriculum and no later than February 1st, 2017.

1.3 Overall description

The curriculum for Bachelor in Agricultural and Environmental Management is based on the directions in "Ministerial Order on the Bachelor of Agricultural and Environmental Management Programme" (Ministerial order no. 767 of 02/07/2012).

The programme, which is a full-time education, is rated for 1.5 years of study. One year of studying corresponds to full-time study by one student for 1 year. A year of studying corresponds to 60 credits in the European Credit Transfer System (ECTS). The program is thus rated to a total of 90 ECTS points.

1.4 Overview of the programme

	ECTS	Core areas
Core areas – joint subjects	5	Analysis and Statistics
	5	Method and Theory of Science
	10	HR, Strategy and Business Development
	10	Market Communication, Sales and Consultancy
	5	Project Management
Core areas within the study programmes of Agrobiology		Agroeconomy: *1) Economic analysis, calculation, business operation and production analysis.*

or Agroeconomy	10	*2) Market, organisation and quality development*
		Agrobiology: *1) Biological conversion of substances and the environment* *2) Production and residual products*
Optional elements of the education[1]	15 ECTS	
Placement	15 ECTS	
Bachelor project	15 ECTS	

1.5 Admission

Qualifying exam for the programme is an AP degree in Environmental Management or equivalent. Admission to the programme is given according to order no. 223 of 11 March 2014 on the admission to business programmes and academy profession bachelor programmes.

1.6 The programme is regulated by the following laws and rules

For the programme, the latest versions of the following laws and orders are applicable (in Danish):

- Bekendtgørelse af lov om erhvervsakademier for videregående uddannelser
- Bekendtgørelse af lov om erhvervsakademiuddannelser og professionsbacheloruddannelser (LEP-loven).
- Bekendtgørelse om erhvervsakademiuddannelser og professionsbacheloruddannelser (LEP-bekendtgørelsen).
- Bekendtgørelse om adgang til erhvervsakademiuddannelser og professionsbacheloruddannelser
- Bekendtgørelse om prøver i erhvervsrettede videregående uddannelser (eksamensbekendtgørelsen)
- Bekendtgørelse om karakterskala og anden bedømmelse
- Bekendtgørelse om uddannelsen til professionsbachelor i jordbrugsvirksomhed

The relevant orders are available at retsinfo.dk (www.retsinfo.dk).

1.7 The purpose and educational outcome of the programme

The purpose of the Bachelor programme in Agricultural and Environmental Management is to qualify the student to independently be able to organise, quality assure and implement advisory, management, project management, business operation, and teaching assignments within the agricultural business area. The working areas are within agriculture, horticulture, public environment and nature protection, and private environment, energy and construction companies.

[1] Confer the institutional part of the curriculum, for details about the optional elements of the education

Learning objectives for Bachelor in Agricultural and Environmental Management

The learning objective includes the knowledge, skills and competencies that a graduated bachelor in Agricultural and Environmental Management must have obtained during the programme.

Knowledge
The bachelor has

- Development-oriented knowledge about and understanding of practices, applied theory and methods within the biological and economic areas of agricultural and environmental management in relation to consultancy, administration, management, business operation and teaching purposes
- Can reflect on analyses, methods and theories in the agricultural area
- Knowledge about market communication, sales and consultancy and project management models and
- Knowledge about relevant legislation and case law in the field of agricultural law and the conditions for the agricultural area, interested parties and types of business, nationally and internationally

The graduate of **agrobiology** has also

- Knowledge about chemical and biological processes in soil, water, plants and livestock in relation to agriculture,
- Understanding of the importance of nutrients to the environment, a product's quality, digestibility and health and
- Knowledge about loss of nutrients, purification and utilisation of residual products from agricultural production

The graduate of **agroeconomy** has also

- Knowledge about operation and production economy in the area of agriculture and
- Understanding of national and global market conditions that may have an impact on companies, economically and financially

Skills
The bachelor is able to

- Collect and process biological and economic data as a basis for selecting the most suitable method or the best tools for solving tasks and problems within the field of agriculture,
- Perform project management and resource management of tasks within the field
- Analyse and assess theoretical and practical problems in relation to planning, HR, strategy and business development tasks and provide suggestions for a future strategy,
- Communicate and carry out consultancy services and sales of biological and economic knowledge of the agricultural area, its services and products to collaboration partners and users and

- Apply mathematical and statistical methods of calculations on results of analyses and relate the results to practice

The graduate of **agrobiology** can also
- analyse problems and apply relevant management tools in the planning and execution of production and environmental administration and
- assess and analyse the consequences of the agricultural production on nutrient cycling and energy flows in relation to the environment and nature.

The graduate of **agroeconomy** can also
- perform production engineering and economic operations' analysis in relation to the development of the business and
- analyse and assess the market, organisation and quality development of the business

Competencies
The graduate can
- Handle complex and development orientated tasks and situations in the agricultural area, including the documentation and communication of tasks and projects
- Translate practical experience, knowledge and relevant research results into solutions and results
- Engage in managerial, consultancy, academic and interdisciplinary functions and collaborations that are relevant for the agricultural area
- Independently develop, manage and execute work and consultancy tasks based on various complex situations and by including relevant interested parties and
- Identify their own learning requirements and develop their own knowledge, skills and competencies within the area of employment of the graduate.

The graduate of **agrobiology** can also
- Develop, individually and together with others, practical and theoretically well-founded solution models for the utilisation of the biological resources in vegetable and animal production and
- Independently collect data and carry out analyses of the environmental consequences of agricultural production and provide qualified solutions.

The graduate of **agroeconomy** can also
- Independently handle complex financial and economic analyses and calculations and
- Design, independently and together with others, strategies for the development of the market, organisation and quality of the agro business

2 Core areas of the programme – joint subjects

The programme includes following core areas for the joint subjects:

1. Analysis and Statistics (5 ECTS)
2. Method and Theory of Science (5 ECTS)
3. HR, Strategy and Business Development (10 ECTS)
4. Market Communication, Sales and Consultancy (10 ECTS)
5. Project Management (5 ECTS)

In total 35 ECTS

2.1 Content and learning objectives for Analysis and Statistics

Weight: 5 ECTS

Content

- Principles of collecting data and assessment of uncertainties
- Test methodology, planning and statistical analyses
- Analysis strategy, methods of analysis, data collection and communication of analysis results

Learning objectives

Knowledge and understanding
The student has:

- Knowledge about statistical methods related to biological and economic data within the area of agriculture, environment or nature
- An understanding for the applied statistical theory, can reflect over experimental planning and analyses, and collection of data

Skills
The student can:

- Master the collection and processing of data, methodically and analytically, for the purpose of solving tasks and issues within agricultural and environmental management
- Assess and communicate the collected data and analyses and assess their relevance in relation to practical solutions.

Competencies
The student can:

- Apply relevant mathematical and statistical methods of calculations to analysis results and relate the results to practice

2.2 Content and learning objectives for Method and Theory of Science

Weight: 5 ECTS

Content

- Reflection on the epistemological and methodological basis for the creation, collection and use of knowledge
- Purpose and hypothesis and their impact on tests in terms of design, results and interpretation
- Process, formalities and ethics regarding the preparation of major assignments

Learning objectives

Knowledge and understanding
The student has:

- Understanding of the relevant theoretical scientific traditions, problems and hypothesis testing, and to reflect on their practical applications within agricultural and environmental management
- Development-orientated knowledge about relevant problems of a theoretical and scientific/methodological nature

Skills
The student can:

- Apply and convey scientific and methodological theories and integrate scientific work with project and report writing within agricultural and environmental management
- Prepare problem analysis, problem statement and state problem limitation, and make methodological evaluations and argue for the chosen study methods

Competencies
The student can:

- Independently engage in academic collaborations and take responsibility within the framework of professional ethics
- Manage the preparation of reports and projects, based on scientific documentation and independently identify choice of methods and communicate results and suggestions of solutions.
- Independently identify own personal learning requirements and develop own knowledge, skills and competencies

2.3 Content and learning objective for HR, Strategy and Company Development

Weight: 10 ECTS

Content

- National and international framework conditions for the company
- Strategy and business development

- Strategic management theories
- HR policy, attraction and recruitment of employees
- Legislation and case law within agricultural and environmental management
- Competency development and change processes in companies

Learning objectives

Knowledge and understanding
The student has:
- Development-orientated knowledge about national and international conditions for related companies and interested parties within agricultural and environmental management
- Understanding of and ability to reflect over theoretical models regarding a company's strategic and HR related development

Skills
The student can:
- Assess the future prospects for relevant companies in the national and international markets and present well-founded suggestions for a future strategy and development
- Communicate practical solutions for the development of the company to collaboration partners and users within agricultural and environmental management.
- Apply knowledge of companies' management and consultancy functions

Competencies
The student can:
- Manage theoretical and practical problems in relation to planning, HR, strategy and company development tasks and present well-founded suggestions for a future strategy
- Independently manage complex and theoretical employee situations in a company and provide well-founded suggestions for an HR policy that promotes the goals of the company

2.4 Content and learning objectives for Market Communication, Sales and Consultancy

Weight: 10 ECTS

Content
- Communication theory and strategy and business communication
- The market, sales techniques and psychology
- Consultancy and negotiation technique
- National and international business culture

Learning objectives

Knowledge and understanding
The student has:

- Development-orientated knowledge about market communication, sales and consultancy within agricultural and environmental management
- Understanding for the applied communication theory and how to reflect on its use in relation to consultancy, administration, management, the running of the business and teaching

Skills
The student can:

- Apply the relevant theories and methods within communication, sales and consultancy to agricultural and environmental management
- Convey, communicate and sell knowledge within agricultural and environmental management
- Assess the value of services and products in relation to collaboration partners and users

Competencies
The student can:

- Manage practical communication and sales tasks independently and in collaboration with others within the fields of agricultural and environmental management
- Manage complex development-orientated communication and sales tasks within agricultural and environmental management
- Engage in academic and interdisciplinary work independently and assume responsibility within the framework of professional ethics and communication

2.5 Content and learning objectives for Project Management

Weight: 5 ECTS

Content

- Identification and definition of projects
- Project planning, project management and resource management
- Methods and project management tools
- Project implementation and evaluation

Learning objectives

Knowledge and understanding
The student has:

- Development-orientated knowledge about project types, staffing, economy, project management models and tools within agricultural and environmental management
- Understanding for the project theories and methods applied and how to reflect on their use in practice

Skills
The student can:

- Apply project management and resource management theories to agriculture, the environment or nature
- Assess the relevance and application of practical project management models/tools within agricultural and environmental management

Competencies
The student can:

- Address the project definition and choose a suitable management model, and balance time schedule, economy and quality in projects
- Handle complex and development-orientated projects and build and manage project teams.

3 Core elements within the study programmes of Agrobiology and Agroeconomics

3.1 Core areas within Agrobiology

1. Biological conversion of substances and the environment (5 ECTS)
2. Production and residual products (5 ECTS)

In total 10 ECTS

3.1.1 Content and learning objectives for Biological substance conversion and the environment

Weight: 5 ECTS

Content

- Chemical and biological processes
- Energy flow and nutrient cycling

Learning objectives

Knowledge and understanding
The student has:

- Development-oriented theoretical knowledge on chemical and biological processes in soil, water, plants and livestock
- Understanding for the applied theory and how to reflect on its use in practice

Skills
The student can:

- Apply analyses of chemical and biological problems to agricultural production, or management of environment or nature
- Assess analyses of chemical and biological problems and argue and select relevant practical solution models

Competencies
The student can:

- Develop practical and theoretically well-founded solution models independently and together with others for the application or utilisation of biological resources in agricultural and environmental management
- Independently engage in academic and interdisciplinary collaboration

3.1.2 Content and learning objectives for Production and residual products

Weight: 5 ECTS

Content

- Production
- Environment
- Nutrients

- Residuals

Learning objectives

Knowledge and understanding
The student has:
- Development-oriented knowledge about nutrients, purification processes and utilisation of residual products in relation to agricultural and environmental management
- Understanding of the role of nutrients for the environment or a product's quality, digestibility and soundness and how to reflect on their use in practice
- Understanding of the role of nutrients for the environment or a product's quality, digestibility and soundness.

Skills
The student can:
- Analyse and assess the impacts of production on the nutrient cycling and flow of energy in relation to agriculture, environment or nature
- Apply relevant theory for solutions in relation to productions impact on the agriculture, environment or nature

Competencies
The student can:
- Independently collect data and perform analyses of the consequences of agricultural production on the nature and environment and provide qualified solutions

3.2 Core areas within the study programme Agroeconomics

1. Economic analysis, calculation, business operation and production analysis (5 ECTS)
2. Market, organisation and quality development (5 ECTS)

In total 10 ECTS

3.2.1 Content and learning objectives for Economic analysis, calculation, business operation and production analysis

Weight: 5 ECTS

Content
- Business operation and production economics
- Production engineering and economic analysis
- Economic and financial calculations

Learning objectives

Knowledge and understanding

The student has:

- Development-oriented theoretical and practical knowledge about business operation and production economics within the field of agriculture
- Understanding for the applied economic theory and how to reflect on its use in practice

Skills
The student can:

- Apply production engineering and economic business operation analysis in relation to the development of the agricultural business
- Assess the relevance of the analyses in solving practical problems
- Communicate academic problems and solutions to collaboration partners and users

Competencies
The student can:

- Independently deal with complex financial and economic analyses and calculations
- Handle complex and development-orientated situations of a professional or study-related nature
- Independently engage in academic and interdisciplinary collaboration and assume responsibility within the framework of professional ethics within the field of economics
- Identify their own learning requirements and develop their own knowledge, skills and competencies in relation to the profession

3.2.2 Content and learning objectives for Market, Organisation and Quality Development

Weight: 5 ECTS

Content

- Global and national market development relevant for the agricultural business

Learning objective

Knowledge and understanding
The student has:

- Development-oriented theoretical and practical knowledge about the national and global market conditions that may impact companies financially and economically
- Understanding of the applied theory and how to reflect on its use in practice

Skills
The student can:

- Analyse and assess the market, organisation and quality development of agricultural businesses and how to choose relevant solution models

- Apply theoretical and practical knowledge about national and global market conditions in relation to the development of agricultural businesses
- Communicate practical and academic problems and solutions to collaboration partners and users

Competencies
The student can:

- Draw up strategies for the market, organisation and quality development of agricultural businesses independently and in collaboration with others
- Handle complex and development-orientated situations of a professional or study-related nature
- Independently engage in academic and interdisciplinary collaboration and assume responsibility within the framework of professional ethics in the field of economics
- Identify their own learning requirements and develop their own knowledge, skills and competencies in relation to the profession

4 Compulsary programme elements

The compulsory programme elements are:

1. Compulsory first semester programme element (25 ECTS)
2. Compulsory second semester programme element (20 ECTS)

In total 45 ECTS.

The two compulsory programme elements are both completed with an exam, which is supplemented with 5 (first semester) and 10 (second semester) ECTS from the optional elements. Details about the content of the optional elements can be found in the institutional part of the curriculum. See also section 4.3.

4.1 Content and learning objectives for the 1st semester compulsory programme element

Weight: 25 ECTS.

Concerning the study programme **Agrobiology**: On the diploma, the element is called:"*Agricultural and Environmental management, basic theory, analysis and method in a biological perspective*"

Concerning the study programme **Agroeconomy**: On the diploma, the element is called:"*Agricultural and Environmental management, basic theory, analysis and method in an economical perspective*"

Content

- Principles for the production of data and assessment of uncertainties
- Test methodology, planning and statistical analyses
- Analysis strategy, methods of analysis, data collection and communication of analysis results
- Reflection over the scientific and methodological foundation for the creation and application of knowledge
- Purpose and hypothesis and their impact on design of tests or studies and the consequences for the results and their interpretation
- Process, formalities and ethics of working with major assignment projects
- National and international framework conditions for companies
- Strategy and business development
- Strategic management theories
- HR policy, attraction and recruitment of employees
- Legislation and case law within the fields of agricultural and environmental management
- Competency development and change processes in companies

- For **Agrobiology** also

    - Chemical and biological processes
    - Energy flows and nutrient cycling
- For **Agroeconomy** also
    - Business operation and production types
    - Production engineering and economic analysis
    - Economic and financial calculations

Learning objectives

Knowledge and understanding
The student has

- Development-oriented knowledge about statistical methods in relation to biological and economic data in agricultural and environmental management
- Understanding of the applied statistical theory, and can reflect on the planning of tests and analyses and data production
- Understanding of the relevant scientific traditions and problems, and can reflect on the practical application within agricultural and environmental management
- Understanding of relevant theoretical traditions within science, problematics and hypothesis testing and can reflect over the practical application within the areas of agriculture and environment.
- Development-oriented knowledge about relevant problems of a philosophical, theoretical and scientific/methodological nature
- Development-oriented knowledge about the conditions for related companies and interested parties within agricultural and environmental management at national and international level
- Understanding of and can reflect on theoretical models regarding companies' strategic HR related development
- For **Agrobiology** also
    - Development-oriented theoretical knowledge about chemical and biological processes in soil, water, plants and livestock
    - Understanding of the applied theory and can reflect on its use in practice
- For **Agroeconomy** also
    - Development-oriented theoretical and practical knowledge about operation and production economy within the field of agriculture
    - Understanding of the applied economic theory and can reflect on its use in practice

Skills
The student can

- Master the collection and processing of data methodically and analytically in order to solve tasks and problems within agricultural and environmental management
- Assess and communicate collected data and analyses and assess their relevance in relation to practical solutions

- Apply and communicate scientific and methodological theories and master the integration of scientific work with project and report writing in the fields of agricultural and environmental management
- Prepare problem analysis, problem statement and project delimitation, and make methodological assessments and give reasons for choice of study methods
- Assess the future potential for relevant businesses in the national and international market and give reasons for the choice of future strategy and development
- Communicate practical solutions regarding the development of the businesses to collaboration partners and users within agricultural and environmental management
- Apply knowledge about companies' management and consultancy functions
- For **Agrobiology** also
  - Apply analyses of chemical and biological problems to agricultural production, the conservation of the environment
  - Assess analyses of chemical and biological problems and give reasons for and choose relevant practical solution models
- For **Agroeconomy** also
  - Apply production engineering and economic operations analysis in relation to the development of the agricultural business
  - Assess the relevance of the analyses in relation to solving practical problems
  - Communicate professional problems and solutions to collaboration partners and users

Competencies
The student can

- Manage relevant complex mathematical and statistical methods of accounting for analysis results and relate the results to practice
- Independently engage in academic and interdisciplinary collaboration regarding statistics and assume responsibility within the framework of professional ethics
- Manage the preparation of reports and projects based on scientific documentation and independently identify choice of method and convey the results and suggestions for solutions
- Independently identify own learning requirements and develop own knowledge, skills and competencies
- Handle theoretical and practical problems in relation to planning, HR, strategy and business development tasks and present well-founded suggestions for a future strategy
- Independently handle complex and practical employee situations in a company and give well-founded suggestions for a HR policy that enhances the goals of the company
- For **Agrobiology** also
  - Independently and in collaboration with others develop practical and theoretically well-founded solutions for the application or utilisation of biological resources in agricultural and environmental management

- For **Agroeconomy** also
  - Independently manage complex financial analyses and calculations
  - Handle complex and development orientated situations in a job or study related context
  - Take responsibility within the framework of professional ethics in the area of economics
  - Identify their own learning requirements and develop their own knowledge, skills and competencies in relation to the profession

4.1.1 Assessment

The exam is assessed according to the 7-point scale and is weighted 30 ECTS, which include 5 ECTS from the Optional elements of the programme. Confer section 4.3 and the institution curriculum.
The learning objectives for the programme element are identical to the learning objective for the exam. For information on exam form and organisation, please refer to the institutional part of the curriculum.

4.2 Content and learning objectives for the compulsory programme elements of the 2nd semester

Weight: 20 ECTS

For **Agrobiology**: On the diploma, the element is called: "*Agricultural management, - Communication, development and sustainability in a biological perspective*".

For **Agroeconomy**: On the diploma, the element is called: "*Agricultural management, - Communication, development and market in a global economic perspective*".

Content

- Communication theory and strategy, and business communication
- The market, sales techniques and psychology
- Consultancy and negotiation techniques
- National and international business culture
- Project identification and definition
- Project planning, project management and resource management
- Methods and tools for project management
- Project implementation and evaluation
- For **Agrobiology** also:
  - Production
  - Environment
  - Nutrients
  - Residual products
- For **Agroeconomy** also:
  - International and national market development relevant for the agricultural business

Learning objectives

Knowledge and understanding
The student has

- Development-oriented knowledge about market communication, sales and consultancy in agricultural and environmental management
- Understanding of applied communication theory and how to reflect on its application in relation to consultancy, administration, management, the running of a company or for teaching purposes
- Development-oriented knowledge on project types, staffing, economy, project management models and tools in agricultural and environmental management
- Understanding of applied project methods and can reflect on their use in practice
- For **Agrobiology** also
  - Development-oriented knowledge on nutrients, purification processes and utilisation of residual products in relation to agricultural and environmental management
  - Understanding of the importance of nutrients to the environment and a product's quality, digestion and health, and can reflect on its use in practice
- For **Agroeconomy** also
  - Development-oriented theoretical and practical knowledge on national and global market conditions that may influence companies economically and financially
  - Understanding of the applied theory and how to reflect on its use in practice

Skills
The student can

- Apply relevant theories and methods in communication, sales and consultancy in relation to agricultural and environmental management
- Convey, communicate and sell knowledge within the fields of agricultural and environmental management
- Formidle, kommunikere og sælge viden inden for jordbrug, miljø eller natur
- Assess the value of services and products in relation to collaboration partners and users
- Apply project management and resource management theories in relation to agricultural and environmental management
- Assess the relevance of and apply practical project management models/tools within agricultural and environmental management, and communicate practical solutions
- For **Agrobiology** also
  - Analyse and assess the impact of agricultural production on the cycling of nutrients and energy flows in relation to the environment or nature
  - Apply relevant theories for solutions to the impact of agricultural production on the environment or nature
- For **Agroeconomy** also
  - Analyse and assess market, organisation and quality development of agro businesses and choose relevant solution models

- Apply theoretical and practical knowledge about national and global market conditions in relation to the development of agro businesses
- Communicate practical and academic problems and solutions to collaboration partners and users

Competencies
The student can

- Independently and in collaboration with others handle practical communication and sales tasks within the fields of agriculture and environment
- Handle complex development orientated communication and sales tasks within agricultural and environmental management
- Independently engage in academic and interdisciplinary collaboration and assume responsibility within the framework of professional ethics and communication
- Handle the project definition and choose an appropriate management model, and handle time management, economy and quality of projects and evaluate the balance between these parameters
- Handle complex and development orientated projects and establish and lead project groups
- For **Agrobiology** also
  - Independently gather assessment data and carry out analyses of the environmental consequences of agricultural production and come up with qualified solutions
- For **Agroeconomy** also
  - Independently and together with others design strategies for the development of the market, organisation and quality of the agro business
  - Handle complex and development orientated situations in work or study-related contexts
  - Independently engage in academic and interdisciplinary collaboration and assume responsibility within the framework of professional ethics in the area of economics
  - Identify their own learning requirements and develop their own knowledge, skills and competencies in relation to the profession

4.2.1 Assessment

The exam is assessed according to the 7-point scale and is weighted 30 ECTS, of which 10 ECTS comes from the Optional study elements. See section 4.3 and the institution curriculum. The learning objectives for the programme element are identical to the learning objective for the exam. For information on the exam form and organisation, please refer to the institutional part of the curriculum.

4.3 Number of exams for the compulsory programme elements

The two compulsory programme elements are each completed with an internal exam (first semester) and an external exam (second semester). For an overview of the exams of the programme, see the section “Overview of the exams”.

The ECTS connection between the core areas and the compulsory programme elements is illustrated in the table below.

Table: Connection between core areas and compulsory elements for the study programme Agrobiology

Core areas	Compulsory element first semester	Compulsory element second semester	In total
Analysis and statistics	5 ECTS		5
Method and theory of science	5 ECTS		5
HR, strategy and business development	10 ECTS		10
Market communication, sales and consultancy		10 ECTS	10
Project management		5 ECTS	5
Biological nutrient cycling and the environment	5 ECTS		5
Production and residual products		5 ECTS	5
Elective programme element	5 ECTS	10 ECTS	15
In total	30 ECTS	30 ECTS	In total 60 ECTS

Table: Connection between core areas and compulsory elements for the study programme Agroeconomy

Core areas	Compulsory element first semester	Compulsory element second semester	In total
Analysis and statistics	5 ECTS		5
Method and theory of science	5 ECTS		5
HR, strategy and business development	10 ECTS		10
Market communication, sales and consultancy		10 ECTS	10
Project management		5 ECTS	5
Economic analysis, calculation, business operation and production analysis	5 ECTS		5
Market, organisation and quality development		5 ECTS	5
Elective programme element	5 ECTS	10 ECTS	15
In total	30 ECTS	30 ECTS	In total 60 ECTS

For a description of the learning objectives for the Elective programme elements/projects, please refer to the institutional part of the curriculum.

5 Internship

The internship is weighted 15 ECTS and is completed with an internal examination assessed according to the 7-point scale. Exam form and organisation is determined by the individual institution and is described in the institutional part of the curriculum.

5.1 Learning objectives for the internship

Knowledge and understanding
The student has:

- Development-oriented knowledge about the practice of the profession and the business area
- Understanding of practice and can reflect on practice based on relevant theory and method

Skills
The student can:

- Apply and master the methods and tools of the subject with a view to employment within the profession
- Assess the theoretical and practical problems of the internship and give reasons for and choose relevant solution models
- Communicate academic problems and solutions in relation to the internship company and line of business

Competencies
The student can:

- Handle and translate complex and development-orientated situations in study contexts into practical solutions at the internship company and associated business
- Independently handle relevant theories for how to solve tasks at the internship company and associated business
- Independently manage the description, formulation and communication of problems and solutions related to the internship company and associated business
- Independently engage in academic and interdisciplinary collaboration and assume responsibility within the framework of professional ethics
- Identify their own learning requirements and develop their own knowledge, skills and competencies in relation to the profession

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.

6 Main exam project (bachelor project)

The main exam project is weighted 15 ECTS.

6.1 Requirements for the main exam project

The main exam project/bachelor project is completed with an external exam. The exam consists of a written project and an oral part for which students receive one overall mark. The main exam project/bachelor project must document the student's understanding of practice and applied theories and methods in relation to a practical problem statement based on a concrete assignment within the programme. The problem statement must be formulated by the student, possibly together with a private or public company. The Academy approves the thesis statement.

The written project must include:

- Cover page with title
- Summary in English
- Foreword
- Table of contents
- Introduction, including a presentation of the problem analysis, the problem statement and approaches which will be used
- Choice of paradigm and methodology
- Analysis, background and theory, including a description and justification for the choice of any empirical data to answer the problem statement
- Discussion and reflection
- Conclusion
- Bibliography (including all written and oral sources that are referenced in the project)

The main individual exam project must as a minimum fill 35 standard pages and no more than 45 standard pages. A standard page is 2,400 characters including spaces and footnotes. Cover page, table of contents, bibliography and appendices are not included. Appendices will not be assessed.

6.2 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.

6.3 Learning objectives

The main exam project must document that the graduation level of the programme has been obtained, cf. appendix 1 in “Ministerial Order on the Bachelor of Agricultural and Environmental Management Programme” (Ministerial order no. 767 of 02/07/2012). See the purpose of the programme and educational outcome in section 1.7.

6.4 Assessment

The exam in external and assessed according to the 7-point scale. The exam consists of a written project and an oral part. Students are awarded one overall mark. The exam cannot take place until the internship report and all exams of the programme have been passed.

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

7 Overview of exams

Overview of all the programme exams

Exam	90 ECTS distributed on the exams	Assessment	Internal/External
1. 1st semester exam - Compulsory element of the study programme first semester *and* - 5 ECTS from Optional elements of the study programme, see the institution part of the curriculum	30	7-point scale	Internal
2. 2nd semester exam - Compulsory element of the study programme second semester *and* - 10 ECTS from Optional elements of the study programme, see the institution part of the curriculum	30	7-point scale	External
3. Internship exam	15	7-point scale	Internal
4. Main exam project	15	7-point scale	External

8 Credits

The institution may 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 that have been passed in Danish or foreign higher education programmes are substituted for elements included in this curriculum. On approval, the course 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".

Students are obligated to supply information about previously passed programme elements that are assumed to give credits

8.1 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.

8.2 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 the application for prior credit approval, the students must give permission to the institution to obtain any required information after the completion of their studies.

On approval of the prior credit application, the programme element is considered completed if it has been passed according to the rules of the programme.

8.3 Rules of exemption

If warranted by exceptional circumstances, the educational institution may deviate from what the institution(s) themselves has/have stated in the curriculum. The institutions offering the bachelor programme collaborate on a uniform exemption practice.

9 Approval

This agreement on the content of the joint part of the curriculum was adopted and approved by the education network for Bachelor in Agricultural and Environmental Management.

For (Business Academy Aarhus)
Date / Signature

For (Business Academy Lillebælt)
Date / Signature

For (Business Academy Sjælland)
Date / Signature