

Curriculum for Automotive Technology

Dania Academy Viborg

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Curriculum for Academy Profession Degree Automotive Technology (AP) at Dania Academy of Higher Education

Approved by the Rector on behalf of the Board.

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Change log:

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2018	15.8.2018	Mette Petersen	New curriculum in accordance with new law (80B)
2019	8.7.2019	Mette Petersen	Correction of description of 1st external exam
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1. Introduction

The curriculum Academy Profession Degree Automotive Technology (AP) consist of two parts (rulebooks):

- 1. Part 1 The national
- 2. Part 2 The institutional

The national part of the curriculum for Academy Profession Degree Automotive Technology (AP) is issued according to § 21, section 1 in *Bekendtgørelse om tekniske og merkantile erhvervsakademiuddannelser og professionsbacheloruddannelser* (The executive order on technical and mercantile Academy Profession programmes and professional bachelor educations).

The national part of the curriculum is compiled by the education network for Academy Profession Degree Automotive Technology (AP) and is approved by the board of all the providers - or by the principal by order of the board - and after a hearing of the institutions' education committees and the education's chairmanship of the external examiners.

The national part secures that the academic contents of the national part of the education is identical in all institutions.

The institutional part is provided by the education at Dania Academy and is organized taking local and regional interests into account.

The institutional part of the curriculum is approved by Dania Academy according to the rules concerning the education, including *Bekendtgørelse om tekniske og merkantile erhvervsakademiuddannelser og professionsbacheloruddannelser (The executive order on technical and mercantile Academy Profession programmes and professional bachelor educations).*

If a discrepancy should occur between this curriculum and the rules concerning the education in other respects, the other rules concerning the education takes precedence.

Business Academy Dania may grant exemptions from the rules of the curriculum, which are only set by the institution or institutions when it is justified in exceptional circumstances.

1.1 Purpose of the education and the business

The purpose of the program is to qualify the educated person to be able to work independently with and carry out work tasks within the automotive industry and related industries. The educated acquires the latest knowledge, understanding and competence to work with problems and their solutions in the automotive field, including technical analysis and optimization of automotive systems as well as in the operation and development of the auto-related companies such as organizational theory, management and marketing.

The education gives the graduate the right to use the term Automotive Technologist.

	ECTS		ECTS		ECTS
National subjects				Local subject	
Technology and auto technical	25	Technology	15		
analysis		Auto technical analysis	10		
The company's operation and	35	Quality, safety and the	5		
development		environment			
		Organisation,	12		
		management and business			
		economics			
		Marketing and sales,	10		
		service and			
		communication			
		Method, analysis and use	8		
		of data			
Job and Career				Job and Career	5
Automotive Industry				Automotive Industry	25
Development				Development	
			60		30
Internship	15				
Final exam project	15				
Total ECTS	120				

1.2 Overview of the elements in the education

1.3 Time placement of educational elements

Educational elements	1 st semester	2 nd semester	3 rd semester	4 th semester	Total ECTS
Technology	15 ECTS				15
Auto technical analysis		10 ECTS			10
Organisation, management and	7 ECTS	5 ECTS			12
business economics					
Marketing and sales, service and	5 ECTS	5 ECTS			10
communication					
Method, analysis and use of data	3 ECTS	5 ECTS			8
Quality, safety and the		5 ECTS			5
environment					
Local subjects			30 ECTS		30
Internship				15 ECTS	15
Final exam project				15 ECTS	15
Total ECTS	30	30	30	30	120

Part 1 - The national

2. The programme's goals for learning outcomes

Knowledge

The student will gain knowledge about:

- the practice and centrally applied theory and methods associated with automotive technology and the profession of automotive technology
- and an understanding of theory and method in automotive technology in connection with the profession of automotive technology.

Skills

The student will get the skills to:

- apply key methods and tools within automotive technology and be able to apply the skills related to the profession of automotive technology
- assess the real-life problems as well as outline and choose solutions within automotive technology and the profession of automotive technology
- disseminate real-life issues and possible solutions within automotive technology and the profession of automotive technology to business partners and users.

Competencies

The student will learn to:

- manage development-orientated situations within automotive technology and the profession of automotive technology
- participate in academic and interdisciplinary collaboration in relation to automotive technology and the profession of automotive technology in a professional manner
- in a structured context, acquire new knowledge, skills and competencies in relation to automotive technology and the profession of automotive technology

3. The programme includes 6 national subject elements

The following are the national subject elements shown in relation to the subject areas described in the educational appendix. This is followed by the content and the learning objectives for the six national subject elements.

3.1 Technology

Content

The national subject element contains knowledge, skills and competencies including traditional and the newest technology for a vehicles mechanical and electronic systems. The subject area also includes security systems (active and passive), materials science and diagnostics as well as optimisation of auto technical systems. Generally, work is done with a system understanding of the technologies and their correlation, optimisation, testing as well as documentation of potential solutions, including IT-based solutions.

Learning objectives for Technology Knowledge

The student will gain knowledge about:

- the industries and the subjects practice as well as centrally applied theories and methodology within the vehicles mechanical and electronic systems, including the vehicles latest technologies, including hybrid, electric and battery technologies, traditional petrol and diesel technologies, basic knowledge about motors, drive lines, undercarriages, security systems, as well as emissions and the environment
- and an understanding of the industry's application of theory and method, the vehicles mechanical and electronic systems, including traditional petrol, diesel and the latest hybrid, electric and battery technologies, and basic knowledge of motors, drive lines and undercarriages as well as emissions and the environment
- and an understanding of the industry's application of theory and methodology in relation to the latest hybrid, electric and battery technologies.

The student will get the skills to:

- apply the subject's key methods and tools, as well as be able to apply the skills related to employment in the industry within the vehicle's technologies including European norms and other relevant standards
- to document and evaluate the real-life issues as well as outline and choose solutions, including assessing the difference between emissions and environmental impact within the different technologies
- communicate the real-life issues and possible solutions to business partners and users.

Competencies

The student will learn to:

- manage development-orientated situations within automotive technology
- participate in professional academic and interdisciplinary collaboration in relation to finding a solution for technological issues in a professional manner
- in a structured context, acquire new knowledge, new skills, and competencies in relation to the profession within the field of vehicles' latest technological developments.

ECTS weight

The national subject element Technology is weighted 15 ECTS credits.

3.2 Auto technical analysis

Content

The national subject element deals with auto technical analysis and diagnosis techniques, as well as the use of technical data and data capture from the vehicle control systems. In addition, this national subject element contains data communication relating to online-diagnosis and repair and focuses on the use and selection of diverse IT-based solutions, including general coding as well as an understanding of how this could be used and included in the solutions. The subject area works generally with diagnosis, technical communication, collection and the use of knowledge in relation to both new and experience-based diagnosis and analysis. The subject area also includes work with relevant technical calculations within the subject area for the understanding of the data which is obtained from the various analyses

Learning objectives for auto technical analysis

Knowledge

The student will gain knowledge about:

- the industry and the subject area's practice and centrally applied theory and methodology within central auto technical analysis as well as diagnostic techniques and tools, including technical mathematics
- and an understanding of the industry's use of theory and method in the field of auto technical analysis, including the relationships between types of errors and possible causes, also including IT-based solutions.

The student will get the skills to:

- apply the subject area's central methods and tools and can apply the skills related to employment within the profession in relation to various auto technological analyses and diagnostic tools and central IT-based solutions for among things, documentation
- evaluate the real-life issues as well as outline and choose solutions in relation to the auto technical analysis and diagnosis techniques to advise customers
- communicate the real-life issues and possible solutions in relation to auto technical analysis to business partners and users.

Competencies

The student will learn to:

- manage development-based situations in relation to auto technical analyses, including needs identification, diagnostics, data management as well as test technologies in relation to the needs and demands
- participate in academic and interdisciplinary collaboration in relation to auto technical analysis in a professional manner
- in a structured context, acquire new knowledge, skills and competencies in relation to the profession in connection with auto technical analyses.

ECTS weight

National subject element Auto technical analysis is weighted 10 ECTS credits.

3.3 Method, analysis and use of data

Content

The national subject element contains an introduction to the basic elements of data analysis and method, including how data analysis can be used to achieve greater knowledge in both the technical and the commercial areas. The subject provides the methodological basis for the preparation of reports and tasks on the programme. The national subject element provides basic statistical concepts, statistical description of data and simple statistical calculations, IT tools, such as spreadsheets, and technical methods that can support data collection, processing and analysis. The subject element also contains basic concepts in the field of Big Data. The subject element will also contain the basic legal and ethical aspects for the handling of data, including personal data.

Learning objectives for method, analysis and use of data Knowledge

The student will gain knowledge about:

• the industry and the subject's practice and centrally applied theory and method within the learning of methods and data analysis, including sources, procedures, data collection, as well as legal and ethical aspects

- and an understanding of the industry's use of theory and method, including central digital data sources and standard procedures in the auto industry
- and an understanding of qualitative and quantitative methods, including knowledge of the use, collection and processing of information for use in the development of digital business models for example.

The student will get the skills to:

- apply the subject's central methodologies and tools as well as apply the skills connected to employment within the profession in relation to method and data analysis, including the collection and processing of data and information
- evaluate the real-life issues as well as outline and choose solutions in relation to method and data analysis, including evaluating relevant KPIs for the clearing and categorisation of collected data, and produce a structured report with analysis and recommendations as well as compliance with formalities
- disseminate real-life issues and possible solutions, for example, simple analyses and results of collected data for partners and users

Competencies

The student will learn to:

- deal with development-orientated situations in relation to method and data analysis, including planning and implementing a data analysis to ensure a valid data basis
- participate in academic and interdisciplinary collaboration in relation to method and data analysis in a professional manner
- in a structured context, acquire new knowledge, skills and competencies in relation to method and data analysis.

ECTS weight

The national subject element Method, analysis and use of data is weighted 8 ECTS credits.

3.4 Marketing and sales, service and communication

Content

The national subject element deals with marketing and sales, service and communication. The subject element includes communication, sales and negotiation techniques as well as advisory and consultative functions in relation to the auto industry, as well as work with written communication. The subject element contains sales theory and theory of personal communication and dissemination as well as negotiation in relation to sales and purchasing. The subject also contains conditions within service design/management, including the existing legal framework, as well as how different business models can be applied in relation to the market and competitive situation.

Learning objectives for marketing and sales, service and communication Knowledge

The student will gain knowledge about:

- and an understanding of industry practices and centrally applied theory and method in marketing and sales, service, consultancy and communication, including business models
- and an understanding of the industry's use of theory and method in marketing and sales, service, consultancy and communication, including relevant legal matters.

The student will get the skills to:

- use the key methods and tools within marketing and sales, service, consultancy and communication and can apply the skills related to employment within the profession in relation to the subject areas
- evaluate the real-life issues as well as outline and choose solutions in relation to sales, service, consultancy and communication.
- disseminate real-life issues, including technical specifications and documentation, as well as specify solutions in relation to marketing and sales, service, consultancy and communication to partners and customers.

Competencies

The student will learn to:

- with a customer-centric focus, manage marketing, sales and service tasks adapted to the company
- manage development-orientated situations in relation to marketing and sales, service, consultancy and communication
- participate in academic and interdisciplinary collaboration within the subject in a professional manner
- in a structured context, acquire new knowledge, new skills, and competencies in relation to the profession within the field of marketing and sales, service and communication.

ECTS weight

The national subject element Marketing and sales, service and communication is weighted 10 ECTS.

3.5 Organisation, management and business economics

Content

The national subject element deals with organisational understanding, management and financial considerations connected to the operation and development of a company in the field of automotive technology. The subject element deals with various organisational structures and forms, cultures and strategies as well as with management, and an understanding of management tasks, management roles and the importance of management. The concepts of motivation, satisfaction, well-being, employee participation and involvement, including the individuals' behaviour in organisations, will be included in the subject. The subject element contains the principles governing the organisation of project work as well as work associated with organisational change, adaptation and management during changes. Business Economics, including economic governance, investment, financial analysis and ratios and their use, is also included in this subject.

Learning objectives for organisation, management and business economics Knowledge

The student will gain knowledge about:

- the profession's practice and centrally applied theory and methods associated with organisation, management and business economics.
- and an understanding of the industry's application of theory and method in the field of organisation, management and business economics, including relevant legal aspects associated with it.

Skills

The student will get the skills to:

• apply the profession's key methods and tools within organisation, management and business economics and be able to apply the skills related to employment within the profession

- assess the real-life problems as well as outline and choose solutions within organisation, management and business economics
- disseminate real-life issues and possible solutions within organisation, management and business economics to business partners and users.

Competencies

The student will learn to:

- manage development-orientated situations in the field of organisation, management and business economics
- participate in academic and interdisciplinary collaboration in relation to organisation, management and business economics in a professional manner
- in a structured context, acquire new knowledge, new skills, and competencies in relation to the profession within the field of organisation, management and business economics.

ECTS weight

The subject element Organisation, management and business economics is weighted 12 ECTS.

3.6 Quality, safety and the environment

Content

The subject element contains quality, environmental and safety management, certificates and the corresponding workflows, as well as documentation. The subject element also contains quality systems and process and documentation requirements, as well as quality, environmental and safety standards in the auto industry. In addition, the subject element contains standards, for example in relation to the repairs and claims statements.

Learning objectives for quality, safety and the environment

Knowledge

The student will gain knowledge about:

- the industry and the subject's practice and centrally applied theory and methods within quality, safety and the environment, including work environment and legal environmental requirements
- the practice, centrally applied theory and methods, and will also understand the industry's use of theory and method in quality, safety and the environment, including claim statements.

Skills

The student will get the skills to:

- apply key methods and tools in the field of quality, safety and the environment, and can apply the skills related to employment within the profession in relation to the quality, safety and the environment, including being able to follow specified procedures to ensure compliance with the quality, safety or environmental requirements
- evaluate the real-life issues, including the complexity of a task in relation to the quality system's requirements and damage repairs in concrete systems and contexts, as well as outline and select solutions
- communicate the real-life issues and possible solutions in relation to quality, safety and the environment to business partners and users.

Competencies

The student will learn to:

• manage development-orientated situations in relation to quality, safety and the environment

- participate in academic and interdisciplinary collaboration in relation to quality, safety and the environment, including the development of procedures in a professional manner
- in a structured context, acquire new knowledge, skills and competencies within the understanding of new quality systems and requirements, as well as environmental and safety requirements in relation to the profession.

ECTS weight

The subject element Quality, environment and safety is weighted 5 ECTS credits.

3.7 The number of exams in the national subject elements

There are 2 exams in the national subject elements, which total 60 ECTS, in addition there is one exam in the final examination project. For the number of tests in practice, refer to the sections below.

For a comprehensive overview of all the exams of the program, refer to the institutional part of the curriculum, as the national subject elements described in this curriculum can be tested together with subject elements set in the institutional part of the curriculum.

4. Internship

Learning objectives for programme's internship Knowledge

The student will gain knowledge about:

- the internship company and practices within the company as well as in the relevant industry, and centrally applied theory and methods
- and understand the practical and applied theory and method as well as be able to understand the internship's practice and use of theory and method.

Skills

The student will get the skills to:

- use the central technological and analytical methods and tools, which are used in the internship company and can apply the skills that relate to employment in the profession as an automotive technologist
- organise and plan work assignments in the profession
- evaluate the real-life issues related to the company and compare and select solution options in the role as an automotive technologist
- communicate the real-life issues and possible solutions in relation to the internship to business partners and customers.

Competencies

The student will learn to:

- manage development-orientated situations in relation to the auto industry, and especially in relation to the internship company
- participate in academic and interdisciplinary collaboration in relation to internship in a professional manner
- in a structured context, acquire new knowledge, skills and competencies in relation to the auto industry and their internship

ECTS weight

The internship is weighted 15 ECTS credits.

Number of exams

The internship is completed with 1 exam.

5. Requirements for the final exam project

The learning objectives for the main exam project are identical to the programme's learning objectives listed above under point 1.

The main exam project must demonstrate the student's understanding of practices and centrally applied theory and methods in relation to a real-life problem, which is based upon a specific task within the programme's area. The problem statement that must be central to the programme and profession, is formulated by the student, possibly in collaboration with a private or public company. The institution approves the problem statement.

Exams for the final exam project

The final exam project completes the programme in the last semester once all the preceding exams have been passed.

ECTS weight

The final exam project is weighted 15 ECTS credits.

Examination form

The exam is an oral and written examination with an external co-examiner, a combined mark is given based on the 7-point scale for the written project and the oral presentation.

6. Rules on credit

Passed programme elements are equivalent to similar programme elements taken at other educational institutions offering this programme.

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.

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 Academy can obtain the necessary information after the student's completion.

On approval according to the above, the programme element is deemed to be passed if it was passed according to the rules of the programme in question.

Part 2 – The institutional part

7. The education contains 2 local subject elements, including elective

In addition to the national subject elements the education includes local subject element as well amounting to 30 ECTS points. The local subject elements give the student the opportunity to qualify the study and occupational competence through optional subjects, customization and perspectivation of subjects relating broadly to the education's area of employment.

Each year the education offers a number of local subject elements as optional subjects as described in the annex to this curriculum. The institution is not obliged to complete all the optional subject courses offered, but a suitable number of courses are completed according to a professional and capacity-related estimation.

7.1 Job and Career

Content

The subject must also develop the individual's work identity and create an understanding of the diversity of services and the opportunities offered by the sector.

Learning objectives for Job and Career

Knowledge:

The student will gain knowledge and have understanding about:

• Job and Career, including Job Identity, Job Match, Career Identity, Business & Interpersonal Communication

Skills

The student will obtain the necessary skills to:

• Understand and be aware of your own work identity; Develop your personal work identity so that it reflects in profile and image; Enter and engage in different communicative situations in a relevant work practice

Competencies

The students can:

• Understand and be aware of your own work identity; Must be able to set and target your job identity in relation to industry and businesses so that the good job match can be achieved; Must be able to communicate their work identity, relate it to and integrate it into relevant work networks

ECTS weight

Local subject element Job and Career t is worth 5 ECTS credits.

7.2 Automotive Industry Development 25 ECTS

Content

The purpose of this course is for the student to have a deeper understanding of developing and managing a business in the automotive industry. Focus on fundraising/financing, internationalization, culture, business development, and growth. During the course the student will develop an entrepreneurial mindset useful in

both new business ventures and taking existing business to the next level. The student will develop insights into own strengths and weakness, and work structured with those, and develop on collaboration skills.

Learning objectives for Automotive Industry Development

Knowledge:

The student will gain knowledge and have understanding about:

- Various methods of business plan developments
- Industry and business culture, national and international cultural values and differences
- Sources of funding and support for entrepreneurs and international expansion

Skills

The student will obtain the necessary skills to:

- Crafting a business plan for a specific business venture and choosing relevant Key Performance Indicators (KPI)
- Choosing relevant idea generation methods
- Cross cultural management and assessing cultural differences, nationally and internationally, and opportunities and limitations of culture in international cooperation

Competencies

The students can:

- Identify opportunities and risks for the company's business development
- Practical project management skills
- Establish professional relationship with potential international partners of a company

ECTS weight

Local subject element Automotive Industry Development is worth 25 ECTS credits.

7.3 Examinations

When a student starts a subject element, semester etc. the student is at the same time signed up for the ordinary examination. The educational institution establishes, for each examination, a deadline for when a cancellation of the examination can take place. The education institution can in the curriculum establish that compulsory attendance and handing in assignments and projects etc. are a precondition for participation in an examination. The institution may establish that a cancellation cannot take place neither for entire educations or part of educations in this curriculum.

For more information, see Bekendtgørelse om prøver i erhvervsrettede videregående uddannelser (The executive order on examination regulations), Bekendtgørelse om karakterskala og anden bedømmelse ved uddannelser på Uddannelses-og Forskningsministeriets område (The executive order on marking regulations), as well as **Dania Academy's Rules of Examinations**.

7.3.1 Examinations on the diploma

The following examinations will appear on the diploma for the education.

Place	The	Purpose	Assessment	Grade	ECTS
1 st semester	Study start test	The purpose of the study start test is to determine whether the student has actually begun the program.	Internal	Pass/ not passed	
1 st semester	1 st semester exam – Project A	The test must document that the student has achieved certain learning objectives set for the 1 st semester.	Internal	7-grade scale	15
2 nd semester	2 nd semester exam – Project B	The test must document that the student has achieved the learning objectives set for the 2 nd semester.	External	7-grade scale	45
3 rd semester	3 rd semester exam – part 1	The test must document that the student has achieved the learning objectives set for the 3 rd semester.	Internal	7-grade scale	10
3 rd semester	3 rd semester exam – part 2	The test must document that the student has achieved the learning objectives set for the 3 rd semester.	Internal	7-grade scale	20
	Internship exam	The exam must document that the student has achieved learning objectives for the internship.	Internal	7-grade scale	15
4 th semester	Exam in final project	The final examination project, together with the exam after the internship and the other exams of the program, must document that the objectives of the education for learning outcomes have been achieved. The exam can only take place after the final exam in internship and the other exams of the program have passed.	External	7-grade scale	15

7.3.2 Description of the examinations

1st semester exam – Project A

Prerequisite	All mandatory assignments from the 1st semester must be approved in order to go to
requirements	the exam.
Placement	At the end of the 1 st semester
Form	Written group project with oral group defense (2-4 students)
Learning	Learning objectives from the national part of the curriculum focusing on Technology
objectives that	
are being tested	
and the related	
subject	
elements	
ECTS points in	15 ECTS
total	
Contents	The purpose of the project is to test the student's ability to work methodically and
	theoretically with a given topic. The project should be based on a business-related and

	current relevant issue and should therefore be prepared either in collaboration with a company or organization.	
Description of the examination	Project A is a group-based interdisciplinary written project with an oral defense within a defined theme or subject related to the field of study.	
Duration	2 students: 30 minutes 3 students: 40 minutes 4 students: 50 minutes	
Contents related extent (formalia)	The project has an extent of 20 pages per group +/- 10 % (1 page = 2.400 keystrokes incl. spaces).	
Evaluation	7-grade scale. Grade will be written on diploma.	
	If the exam is not passed, the guidance teacher will advise on which areas to improve and a new project must be handed in.	
Evaluation criteria	 Connection between problem formulation, project content and conclusion Methodology Usage of learned theory Consistency and connection Conclusion 	
	Formalities, language and layout	
Writing and spelling skills	Writing and spelling skills will influence the overall assessment of the project.	
Language	English	
Aids	All aids are allowed.	
Precondition	All mandatory assignments from the 1st semester must be approved in order to go to	
for participation	the exam.	
in the		
Deadline for	See Dania's Exam Regulation	
cancellation	See Dama's Lyan negulation	

2nd semester exam – Project B

-	
Prerequisite	Project A must be passed as well as compulsory assignments in the 2nd semester must
requirements	be approved in order to pass the project B exam.
Placement	At the end of the 2 nd semester
Form	Written individual or group assignment (2-3 students) with individual defense.
	External exam
Learning	Learning objectives from the national part of the curriculum focusing on:
objectives that	Autotechnical analysis
are being tested	 Method, analysis and use of data
and the related	 Marketing and sales, services and communication
subject	 Organisation, management and business economics
elements	Quality, safety and the environment
ECTS points in	45 ECTS
total	

Contents	The purpose of the project is to test the student's ability to work methodically and theoretically with a given topic. The project should be based on a business-related and current relevant issue and should therefore be prepared either in collaboration with a company or organization .
Description of	Project B is an individual or group-based interdisciplinary written project with an oral
the	defense within a self-chosen theme or subject related to the field of study.
examination	
Duration	30 minutes individual exam
Contents	The project has an extent of 20 pages +/- 10 % (1 page = 2.400 keystrokes incl. spaces).
related extent	
(formalia)	7 sue de secto. Cue de millo e militar en dialemen
Evaluation	7-grade scale. Grade will be written on diploma.
	If the exam is not passed, the guidance teacher will advise on which areas to improve and a new project must be handed in.
Evaluation	Connection between problem formulation, project content and conclusion
criteria	Methodology
	 Usage of learned theory
	Consistency and connection
	Conclusion
	Formalities, language and layout
Writing and spelling skills	Writing and spelling skills will influence the overall assessment of the project.
Language	English
Aids	All aids are allowed.
Precondition	Project A must be passed as well as compulsory assignments in the 2nd semester must
for participation	be approved in order to pass the project B exam.
in the	
examination	
Deadline for	See Dania's Exam Regulation
cancellation	

3rd semester exam – part 1

Prerequisite requirements	 To take the exam it is a requirement that all tests from the 1st and 2nd semester are passed. The student must have participated in lectures and have passed any mandatory element throughout the course.
Form	This is a written exam.
Placement	3rd semester
ECTS points in	10 ECTS
total	
Learning	This exam is part of the local subject: Automotive Industry Development.
objectives that	
are being	Learning objectives for Automotive Industry Development
tested and the	Knowledge:
related subject	The student will gain knowledge and have understanding about:
elements	 Various methods of business plan developments

	 Industry and business culture, national and international cultural values and differences Sources of funding and support for entrepreneurs and international expansion Skills The student will obtain the necessary skills to: Crafting a business plan for a specific business venture and choosing relevant Key Performance Indicators (KPI) Choosing relevant idea generation methods Cross cultural management and assessing cultural differences, nationally and internationally, and opportunities and limitations of culture in
	International cooperation Competencies The students can: Identify opportunities and risks for the company's business development Practical project management skills Establish professional relationship with potential international partners of a company
Description of the examination	The test consists of a written project report, made in groups of 3-5 students in cooperation with a company or organisation. The students are to develop on a business development strategy and plan for the company/ organisation they are cooperating with, and this is presented in the project report. The development strategy and plan focus on a specific market and goal, which is defined in cooperation with the company/ organisation.
Duration	The exam project is initially introduced in the course and handed in at the end of the course.
Contents related extent (formalia)	No limitations
Evaluation	The assessment criteria are identical with the learning objectives for this local subject.
Evoluation	The grade of the project is given using the /-grade scale.
eritoria	The grade is based on the following:
	 The consistency of the development strategy in relation to the company, the market and the goal of the project.
Language	The test is in English.
Aids	All aids are available.
Precondition	See Dania's Exam Rules
for	
participation	
in the	
examination	

3rd semester exam – part 2

Prerequisite	• To take this exam all tests and exams from the 1st and 2nd semester must be
requirements	passed. The student must have participated in lectures and have passed any mandatory
	element throughout the course.
	 Other than this, it is a requirement that the project (3rd internal exam) has
	been handed in according to the deadline.
Form	The group exam will have a written and an oral part.
Disconsent	Groups will consist of 3-5 students.
FCTS points in	
total	20 EC13
Learning	This exam is part of the local subject: Automotive Industry Development.
objectives that	Learning objectives for Automotive Industry Development
are being	Knowledge:
tested and the	The student will gain knowledge and have understanding about:
related subject	 Various methods of business plan developments
elements	 Industry and business culture, national and international cultural values
	and differences
	 Sources of funding and support for entrepreneurs and international support for entrepreneurs and international
	expansion
	Skills
	The student will obtain the necessary skills to:
	• Crafting a business plan for a specific business venture and choosing
	relevant Key Performance Indicators (KPI)
	 Choosing relevant idea generation methods
	Cross cultural management and assessing cultural differences, nationally
	and internationally, and opportunities and limitations of culture in
	international cooperation
	Competencies
	The students can:
	 Identify opportunities and risks for the company's business development
	Practical project management skills
	 Establish professional relationship with potential international partners of
	a company
	Learning objectives for Job and Career
	Knowledge:
	The student will gain knowledge and have understanding about:
	• Job and Career, including Job Identity, Job Match, Career Identity, Business &
	Interpersonal Communication
	Skills
	i në student Will obtain the necessary skills to:

	Understand and be aware of your own work identity; Develop your personal
	work identity so that it reflects in profile and image; Enter and engage in different
	communicative situations in a relevant work practice
	Commentencies
	Competencies
	The students call.
	 Onderstand and be aware of your own work identity, must be able to set and target your job identity in relation to industry and businesses so that the
	and target your job identity in relation to industry and businesses so that the
	identity, relate it to and integrate it into relevant work networks
Description of	The test consists of 3 parts:
the	1) An individual logbook, which includes reflections on specific reflection questions
examination	asked during lectures. The student share the logbook digitally with the examiner eg.
	by using software like OneNote.
	2) A group-based logbook, which includes a) the group's notes shared with the
	examiner through eg. OneNote, plus b) an updatet project plan for the project work
	by using software like eg. ProjectLibre.
	3) This is an oral group exam based on the written project report made for the 3 rd
	semester exam – part 1 and is prepared in cooperation with a company or
	organisation. The students must present the business development strategy and
	plan as a sales pitch for the exam.
Duration	The group exam: 45 minutes overall. The students' presentation: 20 minutes.
Contents	1) Individual logbook: Notes from minimum 2-3 days per week. Minimum 750
related extent	characters per day (characters include; spacing, foot notes, figures, and tables but
(formalia)	not including front page, list of contents, list of sources and enclosures).
	 There are no limitations on the group-based logbook or the digital project plan (eg. Projectl ibre)
Evaluation	The grade of the project is given using the 7-grade scale.
Evaluation	The grade is based on the following:
criteria	• The consistency of the logbook and the project plan including the ability to use
	the project plan.
	• The ability to pitch, sell and reflect on the idea from the written project.
Language	The test is in English.
Aids	All aids are available.
Precondition	See Dania's Exam Rules
for	
participation	
in the	
examination	

Internship exam

The table below concerns the concerned local provision's formal local guidelines on the completion of the internship.

Prerequisite	Exams on the 1 st , 2 nd and 3 rd semester must be passed in order to pass the exam in
requirements	internship.
Form	The test of the internship will be on the basis of a written report followed by an oral
	presentation of the student's experiences.

Placement	• By the end of 4th semester
	 Learning objectives in the national subjects
ECTS points in	15 ECTS
total	
Contents	Exam in the learning objectives from the internship.
Description of	The report must be practical and contain a concentrated description of the subject (s)
the examination	and issues discussed during the internship and how the student practically worked with
	them in their internship.
Duration	15 minutes presentation for examiner and 2 nd semester students.
Contents	The exam consists of four parts:
related extent	 Internship report must be between 11.000-12.000 keystrokes.
(formalia)	• A letter of thanks to the company, which is sent by mail with the examiner in
	сору.
	• Completed electronic evaluation schedules from both the student and the
	company. If the company has not completed the evaluation schedule, it is the
	student's responsibility to remind the company about it in an email with the
	examiner in copy.
	An oral presentation
Evaluation	7-grade scale. The grade will be on the final diploma.
Evaluation	If the internship report is not passed, the guidance teacher will advise on which areas
criteria	to improve. If the assessment is due to the lack of reflection in relation to learning
	objectives and individual goals, then the student has 1 week to improve the material
	after which the report is returned. If the assessment is due to a lack of participation in
	the internship, a new internship course will be established.
Writing and	Writing and spelling skills will influence the overall assessment of the project.
spelling skills	
Language	English
Aids	All aids are allowed.
Precondition for	Exams on the 1 st , 2 nd and 3 rd semester must be passed in order to pass the exam in
participation in	internship.
the examination	
Deadline for	See Dania's Exam Regulation
cancellation	

Exam in the final exam project

The table below concerns the formal requirements in paragraph 4.

Prerequisite	In order to be admitted to the final project examination, the student must have passed
requirements	all the examinations/ exams on the 3 previous semesters of the programme and the
	internship on the 4th semester.
Form	On the basis of a written project prepared in groups or individually, the student will be
	examined in an individual oral examination based on the completed project.
Placement	• By the end of 4th semester
	 Learning objectives in the national subjects
ECTS points in	15 ECTS
total	
Contents	Exam in the learning objectives for the final exam project.

Description of	The exam in the final exam project must prove that the learning objectives for the
the examination	education have been achieved. The project will be based on key issues in the education.
	The problem of the project is prepared by the student and, as far as possible, in
	cooperation with a company. The problem statement must be approved by the school.
Duration	45 min. individual oral exam
Contents	The final exam project must have a lenght of:
related extent	 With 1 student: Between 65.000-75.000 keystrokes
(formalia)	 With 2 students: Between 75.000-115.000 keystrokes
	 With 3 students: Between 115.000-150.000 keystrokes
	Keystrokes include spaces, foot notes, tables and graphs, illustrations, but it does not
	include front page, table of content, bibliography and appendix.
Evaluation	7-grade scale. Grade will be written on diploma.
	One overall grade is given after the 7-grade scale for the project based on an overall
	assessment of the written work and the oral performance. In the case of grade-giving,
	the written and the oral part weighs equally. No delectors are disclosed.
Evaluation	If the project is given a grade below 02, then the student must write a new project
criteria	based on a new problem statement.
Writing and	Formalities, writing and spelling skills will influence the overall assessment of the
spelling skills	project.
Language	English
Aids	All aids are allowed.
Precondition for	In order to be admitted to the final project examination, the student must have passed
participation in	all the examinations/ exams on the 3 previous semesters of the programme and the
the examination	internship on the 4th semester.
Deadline for	See Dania's Exam Regulation
cancellation	

7.3.3 Make-up examination, dispensation, cheating, complaints and special examination conditions

Dania Academy has established rules and procedures regarding special conditions concerning the completion of examinations. The rules and procedures will appear from **Dania's examination regulations which the student is expected to have read at the beginning of the 1**st semester.

The exam regulations include, among other things, rules and procedures in the following areas:

- When a student may attend a make-up examination
- When the student must pass the examination
- How the student should relate to physical or psychological disability
- Examinations taken abroad
- Complaints
- Cheating, plagiarism and disruptive behaviour during examinations etc.

7.4 Compulsory attendance

At Dania we continuously monitor our students' level of study activity. We see each student as an independent person with independent learning ability and competences as the basis for an overall

assessment of the level of active participation. Compulsory assignments and projects etc. must be handled in and passed, in order to be study active and hence qualify to do examinations.

The Automotive Technology is a two-year comprised education and it is expected that the student participates as an active student. It is the responsibility of the student to lay out the framework for own learning process in order to get maximum benefit from the education.

An active student will:

- Turn up for all teaching activities
- Be prepared for each lesson / project work
- Be active in each lesson / project work

During the education it is required that certain elements, such as projects, specialisation-related days and weeks, study trip and other activities, are completed / passed in order to enter for exams. This applies to both the below mentioned projects as well as to other activities.

A student who repeatedly is registered as absent will be called for a personal meeting where the level of activity is evaluated. If the student doesn't improve the activity level, he/she may be asked to do a written test in order to assess if the vocational level is satisfactory. If the student fails to better the absence or not hand in the written test, the student may not be permitted to take tests or exams.

7.5 Criteria for an evaluation of study activity

Study activity is prerequisite for being entitled to the State Educational Grant and Loan Scheme (SU).

Study activity implies the student turning up for the obligatory examinations and handing in the obligatory assignments, projects etc. affiliated with the education. Furthermore the study activity does imply that the student observes the compulsory attendance.

Compulsory assignments and projects, etc. on the degree program must be handed in so that the student can be considered to be study active and thus set as a test.

There will be access to a plan for the semester's tests and tests, as well as a description of each assignment and projects, etc., for each semester at the intranet of the Business Academy. Refer to the individual progress plans for further information on mandatory assignments and projects on the program.

7.5.1 Study start test

1st semester students must participate and pass a *study start test* to continue on the education. The purpose of the study start test is to clarify, whether the student has actually started the education.

The study start test must be held 2 months after the beginning of the semester at the latest, and the result will be communicated to the student as passed/not passed respectively "approved" or "not approved" 2 weeks after the examination at the latest.

Has the examination not been passed, the student has the opportunity to participate in a re-examination, which will be held 3 months after the beginning of the 1st semester at the latest. The student will be given two attempts to pass the study start test. The examination is not subject to the rules in the executive order on examination regulations regarding complaints about examinations.

Should the student fail to pass the study start test the student will be expelled from the education.

Prerequisite	That the student has a total absence of less than 10% from the start of the studies until
requirements	the start of the study.
Deadline	for <mark>1.10.20XX</mark>
meeting	the
prerequisite	
requirement	
Form	Individual written multiple choice test
Placement	No later than 2 months after study start
	Learning objectives in the national section
Description of	the The test consists of:
examination	• a test at the level of knowledge within the framework of the subjects covered
	since the start of study
	an assessment of student activity, including both presence and completion of
	assignments
Duration	60 minutes
Contents	Not relevant
related ext	rent
(formalia)	
Evaluation	Internal assessment
Evaluation	Passed or Not Passed/ "Approved" or Not Approved "
criteria	
Language	English
Aids	All aisds are allowed
Deadline	forSee Dania's Exam Regulation
cancellation	

7.6 The study activity model

When a student starts at Dania Academy, he or she will be introduced to activities and a study programme, which may differ from what he or she has previously been introduced to elsewhere. It is expected that the effort contributed by the student is consistent with that of a fulltime occupation. The education is practice-based, which means that besides the internship course there will continuously be held meetings with the business/profession during the education.

Many different types of activities are included in a study. Some of these will be on the student's own initiative, others will be designed by the education. Some of these the students performs themselves, either alone or in a group of fellow students, others the students will perform together with the education's teaching staff, and others again will be performed together with companies, either during the internship, or in connection with company visits, projects etc.

The education on Dania Academy is organized based on the following model for study activity, where the activities are divided into 4 categories:



The study activity model is based on the work that the student has to provide in the study. Each semester corresponds to 825 hours, which in turn equals 30 ECTS. An ECTS therefore corresponds to 27.5 hours of work.

7.6.1 Teaching and working

The educations' knowledge base is business and profession based as well as development based. It being business and profession based involves that the education is based on new knowledge of central trends within the business or profession the education is aimed towards.

It being development based involves the education being based on new knowledge from experimental and developmental work that is relevant to the business or the profession, the education is aimed towards. The focus on the continuous development furthermore involves that the education is based on new knowledge from research units, relevant to the core areas that are constituent for the purpose and business purpose of the education.

The teaching is conducted through lectures, classroom teaching, dialogue teaching, exercises, online teaching, presentations, cases, seminars, guest teachers from home and abroad, projects and company stays.

7.7 Parts of the education that can be completed abroad

The education is thus organized that the student may complete parts of the education abroad within the prescribed period of study.

The 3rd semester of the Automotive Technology education can be taken abroad. Likewise, internships may be done abroad. The internship company is approved in accordance with the general rules for the internship.

7.8 Rules on credit - the institutional part

The Rules for credit in the institutional part follow the rules on credit in the national part, see above.

8.9 Credit between the higher educations

Some Academy Profession programmes offer the possibility for credit, if you apply for certain undergraduate programmes. It may be both special credit courses, or credit during the ordinary courses, meaning you may start the courses later, for instance the 2nd year of study, or that you may skip some of the subjects during the education.

For further reading, see: <u>https://www.ug.dk/uddannelser/artikleromuddannelser/merit/merit-mellem-de-videregaaende-uddannelser</u>

or contact the educational guidance counsellor for further relevant information.

7.10 Leave of absence

A student may take a leave of absence from the education for personal reasons. Further information on leave of absence, and the regulations on the student taking a leve of absence are to be found in the *executive order* on admission to Academy Profession programmes and professional bachelor educations.

7.11 Dispensation

The institution may, when it deems it justified because of unusual conditions, choose to grant dispensation from the regulations in the curriculum that are laid down by the institution or the institutions alone. The institutions cooperate on a uniform dispensation practice.

7.12 Current legislation

https://ufm.dk/lovstof/gaeldende-love-og-regler/uddannelser/erhvervsakademiuddannelser

8. Commencement and transitional schemes

This part of the national curriculum is valid from 01.09.2018 and is valid for students who are enrolled after 1.8.2020.