

YEAR 1: FOUNDATION PHASE		YEAR 2: FOUNDATION PHASE / DIFFERENTIATION IN L & E / LOGISTICS ENGINEERING	
SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4
<p>PROJECT Warehousing and Material Handling Contents: you are a logistics service provider for a big beer producer. Plan and organise the whole warehouse, taking into account costs and customer service. (10 EC)</p> <p>Extra coaching on: the development of competences within project management, teamwork, leadership & management, English and effective communication.</p>	<p>PROJECT Transport and Distribution Contents: a big interior design retailer operates in 34 countries. Can you draw up advice to reduce its logistics costs? And how can CO² be reduced by means of optimum distribution? (10 EC)</p> <p>Extra coaching on: the development of competences within project management, teamwork, leadership & management, English and effective communication.</p>	<p>PROJECT Production and Logistics Contents: you are a manufacturer of consumable goods for the global private and corporate markets. How can you plan your production in such a way that it will remain both cost-effective and customer focused? (10 EC)</p> <p>Extra coaching on: the development of competences within project management, teamwork, leadership & management, English and effective communication.</p>	<p><i>From this point: differentiation in Logistics Management or Logistics Engineering</i></p> <p>PROJECT Integral logistics in a company Contents: bringing together the different themes from the first three semesters and planning them optimally, taking into account investments and customer service. (10 EC)</p> <p>Extra coaching on: the development of competences within project management, teamwork, leadership & management, English and effective communication.</p>
<p>LOGISTICS BOOTCAMP Based on logistics, logistics objectives, conflicting objectives between departments, logistics in several branches, M&O*, Eco*, T&D*. (5 EC)</p>	<p>DISTRIBUTION General and strategic, e.g. basic knowledge of distribution networks, distribution channels, cooperation. (5 EC)</p>	<p>PRODUCTION The modules with the theme of production comprise production management and planning within the company's different departments.</p>	<p>INTEGRAL LOGISTICS The modules show in particular that logistics should be seen as an integral part within a company.</p>
<p>WAREHOUSING General and strategic: incl. physical processes, goods flow, information flows, Eco, M&O, T&D. (5 EC)</p>	<p>DISTRIBUTION Tactical and operational: e.g. M&O, Eco, management with regard to transport mode, controlling, index numbers, ICT. (5 EC)</p>	<p>Core themes: production concepts, individual vs. standardised products, optimum production volume, material planning and purchasing, bottleneck management, priorities management, throughput times, Service Level, VAL*, Eco, M&O, T&D. (20 EC)</p>	<p>Optimum planning of all capacities and sources. You learn how to develop tools which can help you to optimise processes in a quantitative way. Costs and capacity planning play an essential role here. Applying methods from operations research such as forecasting, inventory systems and simulation. (20 EC)</p>
<p>WAREHOUSING Tactical and operational: e.g. layout planning, re-design, transport and rack techniques, M&O. (5 EC)</p>	<p>DISTRIBUTION Tactical and operational: e.g. information flows, international customs management, tendering, contract negotiation. (5 EC)</p>		
<p>TOOLS Such as demand forecasting, statistics, visualisation, inventory management. (5 EC)</p>	<p>TOOLS E.g. simulation of transport networks, trip and route planning, legislation. (5 EC)</p>		

YEAR 3: MAIN PHASE		YEAR 4: MAIN PHASE AND BACHELOR'S THESIS	
SEMESTER 5	SEMESTER 6	SEMESTER 7	SEMESTER 8
<p>INTERNSHIP Here, you choose a company yourself. Together with Fontys and the company, you define a concrete internship assignment that you are going to work on.</p> <p>You are the project manager and your task is suggesting solutions to the company. (30 EC)</p>	<p>MINOR (e.g. a course abroad, Event Management, Customs Management in International Business, E-preneurship: E-Commerce and E-fulfillment, foreign language)</p> <p>You are free to choose your minor. For a semester you can visit one of our may partner universities, or deepen/broaden your professional knowledge at Fontys. (30 EC)</p>	<p>SUPPLY CHAIN MANAGEMENT Supply Chain Management Project Contents: a global operating food producer is looking for optimisation suggestions for its supply chain. How can you negotiate with suppliers and customers? What has to be done in the field of inventory and production? You are the adviser!</p> <p>Extra coaching on: development of competences within the project, leadership & management, stress management, change management, negotiation. (10 EC)</p>	<p>BACHELOR'S THESIS Here, you choose a company yourself. Together with Fontys and the company, you define a concrete internship assignment that you are going to work on.</p> <p>You are the project manager and your task is suggesting solutions to the company. (30 EC)</p>
		<p>SUPPLY CHAIN MANAGEMENT Safety Stocks, Eco, ICT systems, Risk Management, (Statistical) Simulation. (20 EC)</p>	

EC = European Credits

*M&O= Management and Organisation, *T&D= Trends and Developments,

*VAL= Value added Logistics, Eco = Economics

■ Projects (working in project groups, assessment as a group and as an individual by project reports and presentations)

■ Lectures and workshops (lecture groups, individual assessment by examination)
 ▶ Depending on the project in question, the lecturers deal with: logistics theory, SCM, economics, statistics, technology, Excel, SAP, ERP-Systems.