Open Universiteit

Detailed Course Descriptions

Erasmus+ course catalogue | Science - Information Science

Erasmus+ course catalogue of the Open University of the Netherlands. Each course has an English title; the Dutch name, as used in our course offer, is shown as well. Descriptions have been translated into English.

Questions? Please contact subsidieadvies@ou.nl

Each course shows: type, language of the course, ECTS (study credits) and price in euros. A dash instead of a price means that no price is charged.

Science - Information Science

35 courses and programmes in this document.

BIK-2026-2027 - Bachelor's programme in Information Science (BSc)
FOIKAD-2026-2027 - Focus programme AI and digital transformation
FOIKDT-2026-2027 - Focus programme Digital transformation
IB0004 - Academic skills for Information Science
IB0014 - Research methods for Information Science
IB0212 - Introduction to Information Science
IB2102 - Enterprise modelling
IB3302 - Business analytics
IB3402 - Strategic information management
IB3812 - Project management: setting up projects
IB3902 - Ethics in Digital Innovation
IB4002 - Information security: a socio-technical approach
IB4902 - Basic academic skills for Information Science
IB9702 - Graduation preparation Information Science
IB9806 - Bachelor's graduation project Information Science
IM0003 - Enterprise Architecture
IM0013 - Strategic Enterprise Architecture
IM0503 - Data Analytics
IM0602 - Business Process Management and IT graduation assignment preparation
IM060T - Business Process Management and IT graduation assignment preparation
IM060U - Business Process Management and IT graduation assignment preparation
IM060V - Business Process Management and IT graduation assignment preparation
IM060W - Business Process Management and IT graduation assignment preparation
IM060X - Business Process Management and IT graduation assignment preparation
IM060Y - Business Process Management and IT graduation assignment preparation
IM060Z - Business Process Management and IT graduation assignment preparation
IM1003 - Business Processes
IM1213 - Digital Transformation
IM1803 - Business Process Management and IT graduation assignment preparation
IM2003 - Capita Selecta Digital Innovation, Transformation and Sustainability
IM2103 - Intelligent Business Analytics
IM9806 - Business Process Management and IT graduation assignment
MABPM-2026-2027 - Master's programme in Business Process Management and IT (MSc)
OBABIK-2026-2027 - Open Bachelor's programme in Information Science
SMABPM-2026-2027 - Premaster Management

BIK-2026-2027 - Bachelor's programme in Information Science (BSc)

Dutch name: Bachelor Informatiekunde (BSc) **Type:** Training **Language:** Dutch **ECTS:** 180 **Price:** -

In addition to a good technical basis in computer science, this programme gives you a broad view of how you can apply ICT in a business situation. For this, besides technical knowledge you also need thorough knowledge of relevant parts of the management sciences. For example, there is ample attention to academic skills, including in the area of project management. By combining the best of two worlds, you will later be able to function excellently as an information scientist at the intersection of management issues and computer science, where collaboration, analysis and implementation in a business context come together.

Structure

The Bachelor's programme is general and broad in design. The first year (propaedeutic phase) is the introduction, and in the post-propaedeutic phase you deepen your knowledge and understanding. In the first courses, Introduction to computer science and Introduction to information science, you get a broad overview of both fields and become acquainted with studying at the OU. This gives you a good picture of what you can expect from the programme. The courses are divided into six content-related learning lines. The first is Programming and technology, with courses such as Object-oriented programming and Object-oriented analysis and design. A second line is Modelling and systems development, with courses such as Practicum requirements for information systems, Enterprise modelling and Ontology engineering. The third line concerns Data and information management, with courses such as Introduction to information science, Relational databases and Information security. The fourth learning line, Project management, has a more applied approach, such as implementing ERP systems. The fifth learning line, Organisation and business operations, has a business-administration character and contains courses such as Organisational science and Management accounting. The last learning line, Academic competences and research, has an academic character with courses such as Methods and techniques of research and the Bachelor's graduation project in information science. The learning lines cover the most important areas of attention in information science and emphasise the multidisciplinary character of the programme, because in addition to typical information science subjects such as modelling and data management, the programme also includes computer science and business administration subjects. This is a logical consequence of the fact that an information scientist fulfils a bridging function between ICT and the business. In addition, academic skills are an important part of this academic programme. Think, for example, of research skills, such as formulating a research question, carrying out a literature study, designing and carrying out a study, and basic knowledge of statistics. But also more generic skills, such as writing and presentation skills, to present your ideas and findings clearly. [...]

FOIKAD-2026-2027 - Focus programme AI and digital transformation

Dutch name: Focusprogramma AI en digitale transformatie **Type:** Training **Language:** Dutch **ECTS:** 17.5 **Price:** -

Introduction to Information Science (IB0212) (5 EC)

Information systems have by now penetrated into the very capillaries of our personal lives and society. We expect them to be always available, easy to use, to provide us with reliable information and to be well secured so that our personal data do not end up on the street. This calls for ICT professionals who can design and implement such systems and who can, moreover, assess their impact on organisations and society. Develop yourself optimally into such an ICT professional with the Bachelor's programme in Information Science at the Open Universiteit!

Business Analytics (IB3302) (5 EC)

How can organisations gain competitive advantage through smart analyses of data? On the basis of current worldwide developments, the importance of digitalisation, and in particular of data, for the organisation is

outlined. You look at this from a strategic perspective. But the more tactical side of business analytics is also covered, with the question of how the organisation should be set up so that data and data-analysis techniques can be deployed structurally.

Summer course and Summer School

More information will follow soon.

AI and society (IB4702) (5 EC)

AI is playing an ever greater role in companies and society, and the specific technologies follow each other quickly. Companies therefore need people who have a good overview of the field and can assess which techniques are relevant for their company. In the course AI and society, you study the workings and possibilities of modern AI techniques and the potential social problems that these techniques may or may not cause. Not only the possibilities, but also the limitations of AI are highlighted in this course. There is also a lot of talk in the media about the dangers of AI, but not all of them are equally well founded (for example, superintelligence does not exist at all yet). In this course, you gain a better understanding of AI and its actual dangers. The course is suitable for participants with both a technical and a non-technical background.

FOIKDT-2026-2027 - Focus programme Digital transformation

Dutch name: Focusopleiding Digitale transformatie **Type:** Training **Language:** Dutch **ECTS:** 15 **Price:** -

This programme consists of the following courses from our Bachelor's programme in Information Science.

Strategic information management (IB3402)

In this course, you learn to formulate a strategy for digital transformation and to make the leap to operations and implementation. With attention to the development of the information management function within the organisation, the various strategic choices facing the information manager, and shaping the information strategy.

Business Analytics (IB3302)

How can organisations gain competitive advantage through smart analyses of data? On the basis of current worldwide developments, the importance of digitalisation, and in particular of data, for the organisation is outlined. You look at this from a strategic perspective. But the more tactical side of business analytics is also covered, with the question of how the organisation should be set up so that data and data-analysis techniques can be deployed structurally.

Ethics in digital innovation (IB3902)

In this course, you look at the possible social and ethical implications of existing and emerging digital technologies. You take a critical look at a large number of digital applications. You also look at the use of a specific technology in a particular context from an ethical perspective. In doing so, you take into account social and ethical values such as privacy, autonomy, safety, dignity, justice, the public interest and balance of power.

IB0004 - Academic skills for Information Science

Dutch name: Academische vaardigheden voor informatiekunde **Type:** Standard product **Language:** Dutch **ECTS:** 10 **Price:** € 792.00

This course is offered as part of the Bachelor's programme in Information Science, as well as for the premaster Digital Business Transformation. In this course, you get actively to work developing an academic mindset and acquiring the knowledge and competences to be able to carry out independent academic

research at Bachelor's level. Acquiring research skills is crucial for obtaining an academic Bachelor's or Master's degree. The knowledge and competences that this course aims at are divided into seven successive learning units:

1. The nature of academic knowledge in the field of information systems

2. Research question and objective

3. Literature review I: searching and selecting

4. Literature review II: synthesis and argumentation

5. Methodology I: substantiating the research approach and methodological issues

6. Methodology II: designing surveys and interview guides

7. Discussion, conclusions and recommendations

Digital Business Transformation

The premaster Business Process Management and IT aims to build a bridge between higher professional education and academic education. If you have successfully completed the premaster, you have sufficient academic background to start the Master's programme Digital Business Transformation and you are admitted directly. The premaster is intended for students who have a higher professional education (HBO) prior qualification, but have not completed a university Bachelor's and/or university Master's. The completed HBO programme (CROHO-registered) does not have to be related in content to the Master's programme. However, if you have a more closely related prior education, or work experience relating to the content area of the intended Master's programme, you will be able to follow the Master's programme more easily. In this course, you are actively engaged in developing an academic mindset and acquiring competences and knowledge to carry out independent academic research. The aim of the course is: acquiring competences and knowledge to carry out independent academic research at Bachelor's level in the field of information science.

Learning objectives

After studying this course, you can:

- recognise the nature of academic knowledge;
- analyse and describe a problem and formulate a research objective;
- independently search for, select and analyse academic literature;
- select a suitable research method and justify the choice;
- write an academic argument.

IB0014 - Research methods for Information Science

Dutch name: Onderzoeksmethoden voor informatiekunde **Type:** Standard product **Language:** Dutch
ECTS: 10 **Price:** € 820.00

This course is offered as part of the Bachelor's programme in Information Science, as well as for the premaster Digital Business Transformation / Business Process Management and IT. In this course, you get actively to work developing an academic mindset and acquiring the knowledge and competences to be able to carry out independent academic research at Bachelor's level. Acquiring research skills is crucial for obtaining an academic Bachelor's or Master's degree. The knowledge and competences that this course aims at are divided into seven successive learning units:

1. The nature of academic knowledge in the field of information systems

2. Research question and objective

3. Literature review I: searching and selecting

4. Literature review II: synthesis and argumentation

5. Methodology I: substantiating the research approach and methodological issues

6. Methodology II: designing surveys and interview guides

7. Discussion, conclusions and recommendations

Digital Business Transformation

Premaster Business Process Management and IT

The premaster Digital Business Transformation / Business Process Management and IT aims to build a bridge between higher professional education and academic education. If you have successfully completed the premaster, you have sufficient academic background to start the Master's programme Digital Business Transformation / Business Process Management and IT and you are admitted directly. The premaster is intended for students who have a higher professional education (HBO) prior qualification, but have not completed a university Bachelor's and/or university Master's. The completed HBO programme (CROHO-registered) does not have to be related in content to the Master's programme. However, if you have a more closely related prior education, or work experience relating to the content area of the intended Master's programme, you will be able to follow the Master's programme more easily. In this course, you are actively engaged in developing an academic mindset and acquiring competences and knowledge to carry out independent academic research. The aim of the course is: acquiring competences and knowledge to carry out independent academic research at Bachelor's level in the field of information science.

Learning objectives

After studying this course, you can:

- recognise the nature of academic knowledge;
- analyse and describe a problem and formulate a research objective;
- independently search for, select and analyse academic literature;
- select a suitable research method and justify the choice;
- write an academic argument.

IB0212 - Introduction to Information Science

Dutch name: Inleiding informatiekunde **Type:** Standard product **Language:** Dutch **ECTS:** 5 **Price:** € 410.00

Information science is about the effective structuring, processing and exchange of information by and within individuals and organisations. Information systems play a central role in this; they form the beating heart of organisations and society. That becomes painfully clear when they are not available or do not function properly. Take, for example, a bank whose internet banking software is unavailable, so that customers cannot make transactions. Or a manufacturing company whose ERP system does not work, so that no production orders can be issued or orders placed. In this course, you learn that successfully applying information systems goes beyond technology alone: it is an interplay in which people and society, organisation and technology are 'aligned' with each other. This interplay is specifically the domain of information science. Introduction to Information Science is a starter course within the Bachelor's programmes in Information Science and Computer Science. The course aims to give an overview of the basic concepts of information science and insight into the most important issues in the field.

Learning objectives

In the course, you acquire knowledge of the basic concepts of information science and insight into the important issues in the field. In addition, you gain insight into the organisational and social consequences of information systems. After completing the course, you can:

- describe the most important concepts of information science;
- explain which information and information systems are suitable for supporting strategic advantage, decisions and business processes;
- explain which information systems are suitable for facilitating communication and collaboration within and between organisations;
- describe the importance and applications of Business Intelligence, Business Analytics and Artificial Intelligence, and give practical examples of their use;
- describe the development and implementation processes of information systems and recognise potential risks in a practical situation;
- name various computer threats and crimes and describe security measures;
- name fundamental ethical principles and explain ethical dilemmas in the application of information systems.

IB2102 - Enterprise modelling

Type: Standard product **Language:** Dutch **ECTS:** 5 **Price:** € 410.00

Getting a grip on the structure and design of information systems and organisations (enterprises) often seems a complex matter. This changes, however, the moment the structure and relationships between entities become clearly visible. That is precisely what Enterprise Modeling is about! Enterprise Modeling is a young field that is developing rapidly and is in essence about the process of arriving at an integrated enterprise model given a certain context and various business challenges. Examples of challenges are developing an enterprise-wide IT strategy, improving the alignment between organisation and ICT, or getting more grip on business processes and mutual process dependencies. An enterprise model consists of various models (for example goals, rules, processes, actors and information) and can map out both the current and the desired situation of the enterprise. Enterprise Modeling is a course in the first year (propaedeutic phase) of the programme in Information Science. In the course, students learn to work with a pragmatic and participatory approach to Enterprise Modeling with related techniques. Students learn to place Enterprise Modeling in a broader context, namely that of the organisation, process development and information system (design), and the dependencies between them. After the course, you are able to distinguish, define and model different elements and levels of abstraction of an enterprise model in an integrated way, and you can apply the theoretical knowledge you have gained in practice.

Learning objectives

After studying this course, you can:

- design enterprise models for business challenges and problems using (sub)models belonging to the 4EM methodology;
- recognise and define the various elements, concepts and levels of abstraction of an enterprise model;
- argue why enterprise modeling is a relevant method for analysing organisation, process development and information system (design) issues and challenges;
- reason in what way enterprise modeling can (situationally) contribute to improving the functioning of organisations and the alignment between business and ICT (alignment);
- reflect on the working out of a case in the area of enterprise modeling;
- compare the 4EM methodology (in content and process approach) with other modelling approaches and techniques. In this way, you are able to explain the added value of the 4EM methodology.

IB3302 - Business analytics

Type: Standard product **Language:** Dutch **ECTS:** 5 **Price:** € 410.00

In this course, the phenomenon of business analytics is addressed on the basis of a textbook and a number of academic articles. On the basis of current worldwide developments, the importance of digitalisation, and in particular of data, for the organisation will be outlined. From a strategic perspective, it will be studied how organisations can gain competitive advantage through smart analyses of data. To that end, you will first be familiarised with basic data analysis techniques such as regression, classification and clustering. Finally, the more tactical side of business analytics will also be addressed. This concerns the question of how the organisation should be set up so that data and data-analysis techniques can be deployed structurally.

Learning objectives

After successfully completing this course, you must:

- understand and identify the strategic impact of data on the competitive position of organisations;
- understand how managers can use analytics to define and solve business problems and to support decision-making;
- be familiar with the various techniques and business processes that make it possible to generate value from analyses (for example data warehousing, the ETL process, data mining);
- be familiar with the three most important types of analytics (descriptive, predictive and prescriptive) and their respective applications;
- recognise different types of data and data sources and know which data analysis techniques are suitable for them;
- understand how organisations can structure and govern their analytics function and which pitfalls they must avoid;
- be familiar with different governance structures and their respective strengths and weaknesses (for example centralised versus decentralised);
- be familiar with the ethical and legal considerations when designing data-driven services or innovations.

IB3402 - Strategic information management

Dutch name: Strategisch informatiemanagement **Type:** Standard product **Language:** Dutch **ECTS:** 5 **Price:** € 410.00

The course addresses the development of the information management function within the organisation, the various strategic choices facing the information manager and the shaping of the information strategy. Organisations that want to make full use of the benefits of IS/IT and avoid possible pitfalls must treat IS/IT as an integral part and as the foundation of their business strategy, so that new strategic opportunities can be created. The potential strategic role of IT and the consequences of technological innovations such as cloud services, data analysis and the internet of things sometimes confront organisations with difficult questions, such as where, when and how (much) they should invest in these technologies. Others argue that the strategic possibilities of IT, despite its evident importance, are limited, because most technologies have by now become generally available and accessible products, also for the competitor. That underlines all the more that the technology itself offers no potential strategic advantage, but that what matters is how organisations integrate these technologies into strategic objectives with which they can make a difference. The approaches covered in this course are aimed at providing more insight into what is needed to be able to profit from the strategic opportunities that IT offers and how, as an organisation, you can seize those opportunities. We do this using a textbook as well as a number of academic articles that shed light on the various aspects of strategic information management. You apply the knowledge you acquire directly during the course in a

number of cases, in which you work on a solution or advice by putting yourself in the shoes of an information manager. By reflecting on possible solutions, you have to arrive at a reasoned choice and a substantiation of the chosen solution. In addition to a practice case, at least one case will be assessed for a grade that counts towards the final grade for the course. During the course, explicit attention will also be paid to skills relating to reflecting on the work of others. In this context, you carry out a number of peer review assignments during the course and reflect in a constructive way on the quality of fellow students' case reports. During the first half of the course, you do one peer review exercise; in the second part, a peer review assignment follows that will be assessed with a grade that counts towards the final grade.

Learning objectives

After studying this course, you can:

- explain the most important theory and insights in the field of information management;
- distinguish the strategic, tactical and operational aspects of information management;
- recognise recent developments in the field of strategic information management in newspapers and trade journals;
- [...]

IB3812 - Project management: setting up projects

Dutch name: Projectmanagement: inrichten van projecten **Type:** Standard product **Language:** Dutch
ECTS: 5 **Price:** € 410.00

Change through projects is something everyone can observe in daily life, both in our work and in our leisure activities. We can come into contact with projects in various capacities, for example when a reorganisation takes place at work, a new information system is 'rolled out' or a house move takes place. In our social life we can encounter projects such as the introduction of the electronic patient record, the realisation of after-school care at the primary school or organising a large event for the (sports) club. In the course Project management: setting up projects, you put yourself in the role of project manager in order to be able to set up and control a project in practice. By doing, you learn to recognise and apply project management topics in a relatively simple context. The aim of this course, Project management: setting up projects, is that afterwards you are able to independently fill in the relevant parts of a project plan and control it by means of a cycle. In this way, in the role of project manager, you show that you can realise a (self-chosen) project in a relatively simple situation. You demonstrate this ability in the concluding exam assignment, which you carry out for a project from your own environment. The knowledge and insights that you show in the area of project management concern the following main topics:

- general project management themes: definitions, project goal and project scope;
- project organisation and people: organisational structure, dealing with stakeholders, the project manager and their team;
- project planning and control: planning aspects, milestones, Gantt chart, capacity planning/resource planning, project budget, quality management, risk management and project documentation.

You study the course by carrying out two study tasks with a similar pattern. Afterwards you start the concluding exam assignment.

1. In the first study task, you put on the project manager's 'glasses', as it were, when reading the case text and keep asking yourself: 'what did the project manager do in this situation and why exactly?'. You then work out the assignments about the case provided in the workbook, with which you show that you recognise the facts and concepts of project management in the practical case.

2. Here too you put yourself in the role of project manager and keep asking yourself: 'what would I do in this situation and why exactly?'. You conclude the second study task by working out the assignments included in

the workbook. By completing a project plan at the end, you round off the second study task and have shown that you can actually apply the main topics and topics of project management that you have studied.

In addition, you are presented with problem situations in which the following four main questions from the control cycle are answered: 1 Which problem [...]

IB3902 - Ethics in Digital Innovation

Dutch name: Ethiek in Digitale Innovatie **Type:** Standard product **Language:** Dutch **ECTS:** 5 **Price:** € 410.00

In the Bachelor's course Ethics in Digital Innovation, we reflect on the possible social and ethical implications of existing and emerging digital technologies. In the course, you take a critical look at a great diversity of digital applications and consider the use of a specific technology in a particular context from an ethical perspective. Social and ethical values that can be highlighted include privacy, autonomy, safety, dignity, justice, the public interest, sustainability, balance of power and inclusiveness. The course begins with reflecting on applications of digital technology using ethical-normative theories. You then study the value creation and possible impact of the intended digital innovation on the relevant stakeholders. In the last part of the course, you devise solutions and interventions for observed ethical issues and challenges.

Learning objectives

After completing this course, you can:

- define digital innovation and distinguish different types of digital innovation;
- critically assess current and emerging digital technologies in terms of value creation in a specific context of use;
- name ethical values that are important for the application of digital technologies;
- determine which characteristics of digital technologies challenge or rather complement ethical values;
- identify different types of solutions and kinds of interventions that can address the ethical challenges of digital innovation;
- evaluate the feasibility of ethical interventions for a specific digital innovation;
- make a well-founded choice for a particular type of solution/intervention and reason about its suitability for a specific digital innovation context;
- solve problems together in a small group;
- develop critical writing skills based on logical reasoning.

IB4002 - Information security: a socio-technical approach

Dutch name: Informatiebeveiliging: een socio-technische benadering **Type:** Standard product **Language:** Dutch **ECTS:** 5 **Price:** € 410.00

In this course, you are introduced to the field of information security. The phenomenon of information security will be studied from various relevant perspectives, including the technological, organisational, economic, legal and social perspectives. This course is an introductory course that is relevant for students working at the intersection of business and IT. It is not a technical course, but a course that starts from a socio-technical approach and focuses mainly on the role of the information manager. Owing to the increasing use of information technology and the growing importance of data, information security is of course also of growing importance for organisations. Organisations naturally want to avoid becoming the victim of cybercrime, because this can have various unpleasant consequences such as financial damage and/or reputational damage. The first part of this course will focus on the foundations of information security. In this part, you become acquainted with relevant concepts and perspectives in the context of information security. We conclude this part by studying the role of management in information security, with a focus on the role of

the CISO (Chief Information Security Officer). The second part of this course deals with the organisation and management of information security. In this part, you become acquainted with, among other things, information security standards, organising information security as a process, an organisation's information security policy, and the importance of the human factor in information security. We conclude this part by studying the concept of risk analysis, in which we introduce you to the relevant aspects of mapping and managing risks in the context of information security. The third and final part of this course focuses on information security measures. This part therefore focuses on the instruments that can be used to keep information security risks under control. In this concluding part, we distinguish between preventive measures, detection measures and response measures.

Learning objectives

The aim of the course is that afterwards you are able, in the role of information manager, to independently, systematically and in a structured way develop management activities aimed at the security of information. In doing so, you are aware that effective information security management activities must be integrated into business processes and depend on an adequate alignment of technological, organisational, economic, legal and social aspects.

IB4902 - Basic academic skills for Information Science

Dutch name: Basis academische vaardigheden voor informatiekunde **Type:** Standard product **Language:** Dutch **ECTS:** 5 **Price:** € 410.00

With your enrolment in the Bachelor's programme in Information Science, you begin an academic course of study. This means that you will work in an academic study environment, which may take some getting used to. The course Basic academic skills for information science aims to ease this process, so that you can complete the Bachelor's programme effectively and with integrity. To achieve this, the course pays attention, at a basic level, to an academic attitude and a number of generic academic skills. The following components are addressed in particular: ways to tap into your intrinsic motivation, time management, critical thinking, academic reading and writing, and academic integrity.

Learning objectives

The general aim of the course is to teach students an academic attitude and basic academic skills so that they can complete the Bachelor's programme effectively and with integrity. After studying this course, you are able to:

- make your personal motivations for taking part in the Bachelor's programme in Information Science concrete, and learn to use the steps and tools to stay motivated during your studies;
- show how academic skills add value in professions for which the Bachelor's programme in Information Science is a good stepping stone;
- make a realistic study plan;
- assess to what extent a statement or conclusion is soundly supported by arguments;
- apply tools for reading academic texts efficiently and purposefully;
- apply the principles of writing structured texts;
- name and explain the basic rules of academic integrity, and in particular the responsible use of GenAI.

IB9702 - Graduation preparation Information Science

Dutch name: Voorbereiden afstuderen Informatiekunde **Type:** Standard product **Language:** Dutch
ECTS: 5 **Price:** € 410.00

Together with the course Bachelor's graduation project in information science (IB9806), this course forms the graduation project. During the graduation project, you work on an academically relevant problem of an organisation. For this problem, you design and/or realise an information science solution using the Design Science Research (DSR) approach. This is a widely used academic research method within information science and is based on the design cycle. DSR is iterative in nature, which means that the design cycle is gone through several times. Given the limited duration of the graduation project, however, you will only go through the cycle completely once. In the course Preparing for graduation in Information Science, you make a start on graduating and go through the first two steps of the DSR cycle. This begins with identifying an academically relevant problem to investigate. For this, you carry out a literature study and hold conversations with an organisation. You then work this out in a research objective, in which you establish criteria that a solution must meet. Finally, you work this out in an action plan that serves as the starting point for the continuation of the graduation in the course Bachelor's graduation project in information science (IB9806).

Learning objectives

After completing this course, you can:

- apply knowledge and skills acquired during the programme;
- formulate a problem and research objective in the field of information science;
- independently find literature in the field and assess its relevance;
- within the framework of Design Science Research, select and justify a suitable research method(s);
- plan your own activities and carry them out within the time set for them;
- report clearly in writing and orally on the activities carried out.

IB9806 - Bachelor's graduation project Information Science

Dutch name: Afstudeerproject bachelor informatiekunde **Type:** Standard product **Language:** Dutch
ECTS: 15 **Price:** € 1,230.00

Together with the course Preparing for graduation in Information Science (IB9702), this course forms the graduation project for the programme. During the graduation project, you work on an academically relevant problem of an organisation. For this problem, you design and/or realise an information science solution using the Design Science Research (DSR) approach. This is a widely used academic research method within information science and is based on the design cycle. DSR is iterative in nature, which means that the design cycle is gone through several times. Given the limited duration of the graduation project, however, you will only go through the cycle completely once. Within the course Preparing for graduation in Information Science (IB9702), you have already drawn up a plan for the research. In this continuation, you carry out this plan and go through the remaining phases of the DSR cycle. This means that you continue with designing a solution on the basis of the criteria you drew up in the preparation. You then test the solution in practice against the criteria set and identify possible improvements to the design. Finally, you work out the reporting of your research further in your thesis.

Learning objectives

After completing this course, you can:

- apply knowledge and skills acquired during the programme;
- formulate a problem and research objective in the field of information science;
- independently find literature in the field and assess its relevance;

- within the framework of Design Science Research, select and justify a suitable research method(s);
- design an information science solution for the problem posed;
- demonstrate and evaluate the information science solution in a responsible way;
- carry out a critical reflection on your own research and identify the strengths and weaknesses;
- plan your own activities and carry them out on time;
- report clearly in writing and orally on the research carried out and the results obtained from it.

IM0003 - Enterprise Architecture

Type: Standard product **Language:** Dutch **ECTS:** 7.5 **Price:** € 594.00

Enterprise Architecture (EA) was put on the map at the end of the 1980s by John F. Zachman. The framework he developed is still widely used worldwide and, over time, generated considerable interest in this new domain. With an EA, an organisation can get more out of itself by aligning business processes and ICT and by aligning with a constantly changing environment. An EA is usually represented with various layers, in which each layer consists of mutually related or coherent elements. This creates structure in something that would otherwise seem like chaos. In this course, we understand EA to be the 'fundamental organisation of an enterprise as a socio-technical system, together with the principles that guide the design and development of the enterprise.' That implies that an EA contains all relevant components needed to describe an enterprise (or, more generally: organisation). These include the organisational structure, the operating model, the business processes, the data, applications and the technology of the organisation. In the course, we address the question of how business managers, ICT managers, but also other business executives can use EA to let the benefits of an EA come fully into their own. In doing so, we choose a somewhat different angle from much of the existing EA literature, which focuses on technical aspects, such as modelling and associated tools, design or architectural patterns, (reference) architectures or frameworks. Not that we leave all these matters aside, but they are subordinate to the approach we have chosen, because it allows the full potential of EA to be better exploited.

Learning objectives

After completing this course, you can:

- describe the building blocks of successful EA initiatives;
- describe the EA process cycle within organisations;
- describe in what way EA can contribute to the digital transformation of companies;
- name and explain the principles of EA modelling approaches;
- compare different EA frameworks and approaches;
- argue how EA (management) practices, artefacts and roles can be introduced successfully;
- demonstrate your hands-on experience by applying and analysing EA in a specific case;
- reflect and present convincingly and to the point on the value of EA when introducing new innovative technologies in the organisation.

IM0013 - Strategic Enterprise Architecture

Type: Standard product **Language:** Dutch **ECTS:** 7.5 **Price:** € 615.00

The course Strategic Enterprise Architecture focuses on the question of how organisations can deploy enterprise architecture as a strategic instrument in a context of continuous digital change. Instead of an emphasis on technical architectures or detailed modelling, the strategic and organisational value of architecture is central. The course investigates how architecture contributes to well-founded decision-making, effective governance, organisational agility and collaboration within and between organisations. Explicit attention is paid to the role of enterprise architecture in giving direction to strategic and organisational

change in a digital context, including the redesign of collaboration, governance and value creation within and between organisations. Central to the course is a dynamic perspective on architecture, worked out along three coherent dimensions:

- Sense: recognising and interpreting external technological, social and market developments;
- Shape: translating strategic ambitions into guiding architecture principles, EA artefacts and targeted architecture interventions;
- Shift: designing realistic transformation routes, roadmaps and decision-making mechanisms that actually make change possible.

On the basis of academic literature, practical cases and current examples, students learn how enterprise architecture functions as the connecting link between strategy, technology and organisation. The course pays explicit attention to the interaction between managers, architects and other IT and business professionals. The assessment consists of a combination of group and individual components:

1. writing a short academic paper as a group;

2. individually designing an enterprise architecture artefact;

3. an individual video pitch in which the choices made are substantiated and presented.

Learning objectives

After completing this course, you can:

- describe the building blocks of successful EA initiatives;
- describe the EA process cycle within organisations;
- describe in what way EA can contribute to the digital transformation of companies;
- name and explain the principles of EA modelling approaches;
- compare different EA frameworks and approaches;
- argue how EA (management) practices, artefacts and roles can be introduced successfully;
- demonstrate your hands-on experience by applying and analysing EA in a specific case;
- reflect and present convincingly and to the point on the value of EA when introducing new innovative technologies in the organisation.

IM0503 - Data Analytics

Type: Standard product **Language:** Dutch **ECTS:** 7.5 **Price:** € 615.00

In this English-language course, you study a number of data analysis methods and learn to apply them in different circumstances. The course also covers the data analysis process and best practices for solving problems with data analysis. Knowledge of the data analysis process is essential for turning raw data into usable knowledge. In particular, as a student you learn to distinguish between supervised and unsupervised machine learning tasks. In addition, you learn about families of machine learning algorithms such as classification, clustering and regression, both in theory and in practice using RapidMiner. The course material consists of a textbook and a workbook with assignments. The textbook contains the essential theory that is important for the course. The workbook guides you through the textbook and provides additions where necessary. The workbook contains short assignments that you can do during the course. The evaluation will be based on individual and group assignments.

Learning objectives

After completing this course, you can:

- understand the essential concepts in machine learning, such as a dataset, algorithm, model and accuracy;

- understand the most important concepts of data analysis and their role for organisations in decision-making and innovation;
- apply the CRISP-DM methodology, an industry standard for solving data mining tasks;
- understand the steps and stakeholders in the processes for knowledge discovery and data mining;
- analyse the needs of an organisation and then transform them into a data analysis task;
- apply the following analytical techniques: multiple regression, clustering (e.g. K-means), classification (e.g. Naïve Bayes, KNN, decision trees), dimensionality reduction (e.g. principal component analysis), association rule analysis and text analysis;
- analyse the outcomes of data analysis processes and describe them to different stakeholders;
- use a process-based data analysis tool such as RapidMiner.

IM0602 - Business Process Management and IT graduation assignment preparation

Dutch name: Voorbereiden afstudeeropdracht BPMIT **Type:** Standard product **Language:** Dutch **ECTS:** 5
Price: € 410.00

Before you can start the empirical phase of your graduation research, you must submit a sound plan to the supervisor of the (thesis) track. To arrive at the plan, you go through the graduation research preparation Digital Business Transformation. The supervisor of the graduation research preparation and a second assessor assess the plan and approve or reject it. If it is approved, you can go through the next phase of graduation. In brief, attention is paid to formulating problem statements, recognising the reason for further research and applying it to your own research, demonstrating and presenting the relevance of the research, substantiating relationships in the literature and deepening your knowledge of research methodology of a quantitative and/or qualitative nature. The topic to be chosen is a theoretical topic. It must connect with existing theories and must make practical research possible. You are therefore not free to choose a research topic. Research questions are formulated from a research programme, as is customary in academia. This guarantees that you will be supervised by an expert on the research topic.

Learning objectives

After studying this course, you can:

- formulate a problem statement on the basis of a delimited theme and literature provided by the graduation supervisor;
- put the problem statement into words and indicate its academic and social relevance;
- carry out a literature review and, on that basis, establish the theoretical framework;
- draw up a suitable research plan (with attention to the research method, data collection, operationalisation of variables, and validity).

IM060T - Business Process Management and IT graduation assignment preparation

Dutch name: Voorbereiden afstudeeropdracht BPMIT **Type:** Standard product **Language:** Dutch **ECTS:** 6
Price: € 489.60

Before you can start the empirical phase of your graduation research, you must submit a sound plan to the supervisor of the (thesis) track. To arrive at the plan, you go through the graduation research preparation Digital Business Transformation. The supervisor of the graduation research preparation and a second assessor assess the plan and approve or reject it. If it is approved, you can go through the next phase of graduation. In brief, attention is paid to formulating problem statements, recognising the reason for further research and

applying it to your own research, demonstrating and presenting the relevance of the research, substantiating relationships in the literature and deepening your knowledge of research methodology of a quantitative and/or qualitative nature. The topic to be chosen is a theoretical topic. It must connect with existing theories and must make practical research possible. You are therefore not free to choose a research topic. Research questions are formulated from a research programme, as is customary in academia. This guarantees that you will be supervised by an expert on the research topic.

Learning objectives

After studying this course, you can:

- formulate a problem statement on the basis of a delimited theme and literature provided by the graduation supervisor;
- put the problem statement into words and indicate its academic and social relevance;
- carry out a literature review and, on that basis, establish the theoretical framework;
- draw up a suitable research plan (with attention to the research method, data collection, operationalisation of variables and validity).

IM060U - Business Process Management and IT graduation assignment preparation

Dutch name: Voorbereiden afstudeeropdracht BPMIT **Type:** Standard product **Language:** Dutch **ECTS:** 7
Price: € 571.20

Before you can start the empirical phase of your graduation research, you must submit a sound plan to the supervisor of the (thesis) track. To arrive at the plan, you complete the preparation for graduation research in Digital Business Transformation. The supervisor of the preparation and a second assessor review the plan and approve or reject it. Once it is approved, you can proceed to the next phase of graduation. In brief, attention is paid to formulating problem statements, recognising the rationale for further research and applying it to your own research, demonstrating and presenting the relevance of the research, substantiating relationships in the literature, and gaining a deeper understanding of quantitative and/or qualitative research methodology. The topic to be chosen is a theoretical topic. It must fit in with existing theories and must make practical research possible. You are therefore not free to choose a research topic. Research questions are formulated on the basis of a research programme, as is customary in academic practice. This ensures that you will be supervised by an expert on the research topic.

Learning objectives

After completing the course, you are able to:

- formulate a problem statement on the basis of a delineated theme and literature provided by the graduation supervisor;
- articulate the problem statement and indicate its scientific and societal relevance;
- conduct literature research and, on that basis, establish the theoretical framework;
- draw up a suitable research plan (with attention to the research method, data collection, operationalisation of variables and validity).

IM060V - Business Process Management and IT graduation assignment preparation

Dutch name: Voorbereiden afstudeeropdracht BPMIT **Type:** Standard product **Language:** Dutch **ECTS:** 8
Price: € 652.80

Before you can start the empirical phase of your graduation research, you must submit a sound plan to the supervisor of the (thesis) track. To arrive at the plan, you complete the preparation for graduation research in Digital Business Transformation. The supervisor of the preparation and a second assessor review the plan and approve or reject it. Once it is approved, you can proceed to the next phase of graduation. In brief, attention is paid to formulating problem statements, recognising the rationale for further research and applying it to your own research, demonstrating and presenting the relevance of the research, substantiating relationships in the literature, and gaining a deeper understanding of quantitative and/or qualitative research methodology. The topic to be chosen is a theoretical topic. It must fit in with existing theories and must make practical research possible. You are therefore not free to choose a research topic. Research questions are formulated on the basis of a research programme, as is customary in academic practice. This ensures that you will be supervised by an expert on the research topic.

Learning objectives

After completing the course, you are able to:

- formulate a problem statement on the basis of a delineated theme and literature provided by the graduation supervisor;
- articulate the problem statement and indicate its scientific and societal relevance;
- conduct literature research and, on that basis, establish the theoretical framework;
- draw up a suitable research plan (with attention to the research method, data collection, operationalisation of variables and validity).

IM060W - Business Process Management and IT graduation assignment preparation

Dutch name: Voorbereiden afstudeeropdracht BPMIT **Type:** Standard product **Language:** Dutch **ECTS:** 9
Price: € 734.40

Before you can start the empirical phase of your graduation research, you must submit a sound plan to the supervisor of the (thesis) track. To arrive at the plan, you complete the preparation for graduation research in Digital Business Transformation. The supervisor of the preparation and a second assessor review the plan and approve or reject it. Once it is approved, you can proceed to the next phase of graduation. In brief, attention is paid to formulating problem statements, recognising the rationale for further research and applying it to your own research, demonstrating and presenting the relevance of the research, substantiating relationships in the literature, and gaining a deeper understanding of quantitative and/or qualitative research methodology. The topic to be chosen is a theoretical topic. It must fit in with existing theories and must make practical research possible. You are therefore not free to choose a research topic. Research questions are formulated on the basis of a research programme, as is customary in academic practice. This ensures that you will be supervised by an expert on the research topic.

Learning objectives

After completing the course, you are able to:

- formulate a problem statement on the basis of a delineated theme and literature provided by the graduation supervisor;

- articulate the problem statement and indicate its scientific and societal relevance;
- conduct literature research and, on that basis, establish the theoretical framework;
- draw up a suitable research plan (with attention to the research method, data collection, operationalisation of variables and validity).

IM060X - Business Process Management and IT graduation assignment preparation

Dutch name: Voorbereiden afstudeeropdracht BPMIT **Type:** Standard product **Language:** Dutch **ECTS:** 10 **Price:** € 816.00

Before you can start the empirical phase of your graduation research, you must submit a sound plan to the supervisor of the (thesis) track. To arrive at the plan, you complete the preparation for graduation research in Digital Business Transformation. The supervisor of the preparation and a second assessor review the plan and approve or reject it. Once it is approved, you can proceed to the next phase of graduation. In brief, attention is paid to formulating problem statements, recognising the rationale for further research and applying it to your own research, demonstrating and presenting the relevance of the research, substantiating relationships in the literature, and gaining a deeper understanding of quantitative and/or qualitative research methodology. The topic to be chosen is a theoretical topic. It must fit in with existing theories and must make practical research possible. You are therefore not free to choose a research topic. Research questions are formulated on the basis of a research programme, as is customary in academic practice. This ensures that you will be supervised by an expert on the research topic.

Learning objectives

After completing the course, you are able to:

- formulate a problem statement on the basis of a delineated theme and literature provided by the graduation supervisor;
- articulate the problem statement and indicate its scientific and societal relevance;
- conduct literature research and, on that basis, establish the theoretical framework;
- draw up a suitable research plan (with attention to the research method, data collection, operationalisation of variables and validity).

IM060Y - Business Process Management and IT graduation assignment preparation

Dutch name: Voorbereiden afstudeeropdracht BPMIT **Type:** Standard product **Language:** Dutch **ECTS:** 11 **Price:** € 897.60

Before you can start the empirical phase of your graduation research, you must submit a sound plan to the supervisor of the (thesis) track. To arrive at the plan, you complete the preparation for graduation research in Digital Business Transformation. The supervisor of the preparation and a second assessor review the plan and approve or reject it. Once it is approved, you can proceed to the next phase of graduation. In brief, attention is paid to formulating problem statements, recognising the rationale for further research and applying it to your own research, demonstrating and presenting the relevance of the research, substantiating relationships in the literature, and gaining a deeper understanding of quantitative and/or qualitative research methodology. The topic to be chosen is a theoretical topic. It must fit in with existing theories and must make practical research possible. You are therefore not free to choose a research topic. Research questions are formulated on the basis of a research programme, as is customary in academic practice. This ensures that you will be supervised by an expert on the research topic.

Learning objectives

After completing the course, you are able to:

- formulate a problem statement on the basis of a delineated theme and literature provided by the graduation supervisor;
- articulate the problem statement and indicate its scientific and societal relevance;
- conduct literature research and, on that basis, establish the theoretical framework;
- draw up a suitable research plan (with attention to the research method, data collection, operationalisation of variables and validity).

IM060Z - Business Process Management and IT graduation assignment preparation

Dutch name: Voorbereiden afstudeeropdracht BPMIT **Type:** Standard product **Language:** Dutch **ECTS:** 12 **Price:** € 979.20

Before you can start the empirical phase of your graduation research, you must submit a sound plan to the supervisor of the (thesis) track. To arrive at the plan, you complete the preparation for graduation research in Digital Business Transformation. The supervisor of the preparation and a second assessor review the plan and approve or reject it. Once it is approved, you can proceed to the next phase of graduation. In brief, attention is paid to formulating problem statements, recognising the rationale for further research and applying it to your own research, demonstrating and presenting the relevance of the research, substantiating relationships in the literature, and gaining a deeper understanding of quantitative and/or qualitative research methodology. The topic to be chosen is a theoretical topic. It must fit in with existing theories and must make practical research possible. You are therefore not free to choose a research topic. Research questions are formulated on the basis of a research programme, as is customary in academic practice. This ensures that you will be supervised by an expert on the research topic.

Learning objectives

After completing the course, you are able to:

- formulate a problem statement on the basis of a delineated theme and literature provided by the graduation supervisor;
- articulate the problem statement and indicate its scientific and societal relevance;
- conduct literature research and, on that basis, establish the theoretical framework;
- draw up a suitable research plan (with attention to the research method, data collection, operationalisation of variables and validity).

IM1003 - Business Processes

Type: Standard product **Language:** Dutch **ECTS:** 7.5 **Price:** € 615.00

In the course Business Processes, you become familiar with the concepts and starting points of a process-oriented view of organisations. You learn to carry out a structured analysis of business processes and, on the basis of the analysis results, to formulate a reasoned improvement proposal. In the process analysis, attention is paid not only to model-based process thinking, but the process perspective is also placed in a business administration context. Aspects such as modelling, process performance and the influence of IT are addressed explicitly. After the course, you are able to understand what useful function modelling processes can have in analysing and communicating problems and also opportunities in goal-oriented working in organisations. You demonstrate this acquired insight by applying the material provided to a real case situation that you bring in yourself and by coming up with reasoned improvement proposals for this case situation.

Learning objectives

After completing this course, you are able to:

- identify a concrete business process;
- describe a business process schematically in a process model;
- analyse the performance of a business process and identify points for improvement;
- make recommendations for redesigning a business process on the basis of the results of the earlier steps in the process analysis.

IM1213 - Digital Transformation

Type: Standard product **Language:** Dutch **ECTS:** 7.5 **Price:** € 615.00

This course is about the ways in which digital technologies can bring about fundamental or even disruptive changes in organisations and, as a result, in society. This subject is examined in the course from three important pillars. Firstly, we pay attention to the drivers of digital transformation, at the technological, societal and social level. Secondly, the process of digital transformation is covered. Here we study in what way organisations can achieve their objectives by means of digital transformation. In addition, we pay attention to the way in which these transformations can be steered. The third pillar of this subject concerns the possible consequences of digital transformations for organisations and society. You study the three themes under these pillars by reading a selection of articles. Via the online learning environment, we guide you through the various themes of the course.

Learning objectives

After completing this course, you can:

- give examples of recent technological developments that influence digital transformation;
- recognise and explain relevant social and economic drivers of digital transformation;
- name and explain the factors and challenges that can influence the implementation of digital transformation in organisations;
- make and argue choices for the implementation of digital transformation on the basis of a practical case;
- use academic literature to argue how organisations can deploy digital transformation for social sustainability;
- map out and evaluate the contribution and impact of digital transformation on organisations.

IM1803 - Business Process Management and IT graduation assignment preparation

Dutch name: Voorbereiden afstudeeropdracht BPMIT **Type:** Standard product **Language:** Dutch **ECTS:** 7.5 **Price:** € 615.00

Before you can start the empirical phase of your graduation research, you must submit a sound plan to the supervisor of the (thesis) track. To arrive at the plan, you go through the course graduation research preparation Digital Business Transformation. The supervisor of the graduation research preparation and a second assessor assess the plan and approve or reject it. If it is approved, you can go through the next phase of graduation. In brief, attention is paid to formulating problem statements, recognising the reason for further research and applying it to your own research, demonstrating and presenting the relevance of the research, substantiating relationships in the literature and deepening your knowledge of research methodology of a quantitative and/or qualitative nature. The topic to be chosen is a theoretical topic. It must connect with existing theories and must make practical research possible. You are therefore not free to choose a research

subject. Research questions are formulated from a research programme, as is customary in academia. This guarantees that you will be supervised by an expert on the research topic.

Learning objectives

After studying this course, you can:

- formulate a problem statement on the basis of a delimited theme and literature provided by the graduation supervisor;
- put the problem statement into words and indicate its academic and social relevance;
- carry out a literature review and, on that basis, establish the theoretical framework;
- draw up a suitable research plan (with attention to the research method, data collection, operationalisation of variables, and validity).

IM2003 - Capita Selecta Digital Innovation, Transformation and Sustainability

Type: Standard product **Language:** Dutch **ECTS:** 7.5 **Price:** € 615.00

This course explores current themes within digital innovation, transformation and sustainability. Students gain insight into how digital technologies contribute to sustainable development and how organisations can adapt to a changing technological landscape. Subjects that may be covered are:

- digital innovation and transformation in various sectors;
- the impact of digital technology on sustainability;
- open innovation and inter-organisational collaboration;
- data-driven decision-making and ethical considerations;
- case studies of digital transformation within companies and government bodies.

The course will be a combination of theoretical insights, case studies and practice-oriented assignments.

Learning objectives

After completing this course, you can:

- explain the core concepts of digital innovation and transformation;
- analyse how digital technology can contribute to sustainability;
- reflect critically on the impact of digital transformation within organisations;
- carry out and present independent case studies.

IM2103 - Intelligent Business Analytics

Type: Standard product **Language:** Dutch **ECTS:** 7.5 **Price:** € 615.00

Organisations operate in increasingly competitive and rapidly changing environments, which makes timely and accurate information essential for strategic decision-making. In addition to historical analyses, there is a growing need for predictive analyses for both the short and the long term. Intelligent Business Analytics (IBA) enables organisations to combine data from different departments and understand their mutual influence. Moreover, tools such as visualisations, predictive analyses and scenario modelling offer valuable and unique insights that are suitable for the whole organisation. This course focuses on setting up an effective IBA function within organisations and business chains. We cover decision-making processes, the strategic impact of a strong IBA function and its implementation and management. In addition, we pay extra attention to the ethical and privacy-related challenges that arise from the use of IBA. These subjects are gaining more and more weight in a data-driven world in which technology plays a central role. With this knowledge, you develop a critical understanding of how a well-designed IBA function contributes to success in a dynamic business environment in an economically and ethically responsible way.

IM9806 - Business Process Management and IT graduation assignment

Dutch name: Afstudeeropdracht Business Process Management and IT **Type:** Standard product **Language:** Dutch **ECTS:** 15 **Price:** € 1,230.00

The graduation track results in an original, self-written report of independent academic research within one of the fixed research themes of the Master's programme Digital Business Transformation. In the graduation track, you show that, within the limited margins of the graduation supervision offered, you can independently carry out a unique empirical study. Your starting point is an academically relevant theoretical question within the chosen research theme, which you worked out during the course Graduation Assignment Preparation Digital Business Transformation (IM1803). You show that you can produce an original written report on the graduation research (graduation report or 'thesis') that meets current academic standards. You can professionally defend the design and execution of your research and its results towards 'peers' during actual two-way communication between you, the graduation supervisor, a second reader and fellow graduating students. In doing so, you show yourself to be critical, creative and constructive. This attitude is evident, among other things, from the way you deal with the feedback given during the graduation track and the way you defend your work. You must have completed the course Graduation Track Preparation (IM1803) before you can start this second part of the graduation track.

MABPM-2026-2027 - Master's programme in Business Process Management and IT (MSc)

Dutch name: Master Business Process Management and IT (MSc) **Type:** Training **Language:** Dutch **ECTS:** 60 **Price:** -

The interdisciplinary Master's programme Digital Business Transformation (DBT) offers students courses in the areas of business process management, IT management and business analytics. The programme looks at the design and performance of existing business processes and the role that information and IT can play in them. These are analysed with a view to the alignment between process objectives and outcomes and the possible improvements through innovative use of IT. You design new work systems or redesign existing ones. In doing so, you explicitly take into account the way in which improvements for the organisation can be realised and how, for example, the organisation-wide impact of new IT facilities can be properly embedded. The programme is competence-based and product-oriented. During your studies, you learn academic and professionally oriented competences, such as analytical thinking, reflection, design skills and project management. In a number of courses, you work on concrete projects, such as carrying out a business process analysis. In most courses, you work together in groups. One of the advantages of working together is that you can process the complex material better by discussing and reflecting with each other and by giving each other constructive feedback. By collaborating actively, you keep each other sharp and are actively engaged with the course material. This ensures that the information sticks better. The programme consists of 3 compulsory courses, which form the core of the programme: Strategic Enterprise Architecture, Digital Governance and Business Process Design. In addition, you choose two of the following five elective courses: Digital Transformation, Information Security Management, Data Analytics, Intelligent Business Analytics and Capita Selecta Digital Innovation, Transformation and Sustainability. You complete the programme with a graduation project, in which you apply your academic knowledge to an academically and practically relevant problem.

Do you want to know more about the content? Request the study guide.

OBABIK-2026-2027 - Open Bachelor's programme in Information Science

Dutch name: Open bachelor informatiekunde **Type:** Training **Language:** Dutch **ECTS:** 180 **Price:** -

This programme is a combination of courses from the academic field of Information Science with broadening courses from one or two other academic fields. There are various options in broadening packages. The combination of two or even three fields of study gives the programme a multidisciplinary character.

SMABPM-2026-2027 - Premaster Management

Type: Training **Language:** Dutch **ECTS:** 10 **Price:** -

The premaster consists of the course IB0014: Research methods for Information Science. The aim is to prepare you for independently carrying out academic research and to strengthen your academic attitude. The following themes are covered: research design, reliability and validity, literature review, reading and bundling research articles, quantitative research, qualitative research, and reporting on and reflecting on research results.