



Faculty of Faculty of Arts and Social Sciences

Programme Study Plan

IT, Project Management and Enterprise Systems

Programme Code:	SGIPA
Approval:	The present programme study plan was approved by the Faculty Board of Arts and Social Sciences on 25 February 2013 and is valid for students accepted to the programme the autumn semester of 2013 and later. It replaces the previous version which was approved on 5 May 2011, reg. no. FAK1 2011/88.
Programme Title:	Study Programme in IT, Project Management and Enterprise Systems
ECTS credits:	120/180
Language of Instruction:	Swedish
Degree Level:	Bachelor's
Degree Type:	General
Prerequisites:	General admission requirements, plus either - field-specific eligibility A5 (Mathematics 2a or 2b or 2c, Social Science 1b or 1a1 + 1a2), or - field-specific eligibility 5 (Mathematics B and Social Science A).

General Information

The programme provides basic education in information systems. The increasingly complex business climate requires IT to optimise operations. IT systems are, for instance, needed to handle accounting, warehousing, time management and automation in manufacturing. Developing, acquiring and deploying advanced IT systems are usually carried out in project form, which means that project planning and leadership qualifications are necessary for successful completion. Essential functions in organisations are also increasingly streamlined and coordinated in integrated, shared enterprise systems.

Higher Education Diploma requirements

Knowledge and understanding

For a Higher Education Diploma, students should be able to

- demonstrate understanding of the complexity involved in developing, acquiring, and installing advanced IT systems, and
- demonstrate understanding of the ways in which project management and project work can facilitate the process of acquiring, installing and adjusting an enterprise system to an organisation.

Skills and abilities

For a Higher Education Diploma, students should be able to

- analyse information technological problems regarding systems specifications,
- collect and critically interpret information and critically discuss economic phenomena, issues and situations even with limited information,
- identify, describe and structure problems and produce specification requirements for the acquisition of IT,
- demonstrate basic knowledge of project management, and
- demonstrate ability to give an account of and discuss their knowledge with different groups of people.

Attitude and assessment abilities

For a Higher Education Diploma, students should be able to

- describe the consequences of alternative solutions from technological, human, organisational and project management perspectives.

Bachelor's Degree requirements

Knowledge and understanding

For a Bachelor's Degree, students should be able to

- demonstrate understanding of the different components and functions of a modern enterprise system,

- demonstrate knowledge of systems development techniques, database design, programming language, and implementation tools, and
- demonstrate knowledge and understanding of project management methods.

Skills and abilities

For a Bachelor's Degree, students should be able to

- perform a procurement of enterprise systems with systems specifications that reflect the needs of an organisation,
- identify, describe and structure problems and analyse, and assess the consequences of alternative solutions from the technological, human, organisational and project management perspectives.
- adapt and apply the tools, methods and models of professional project management.

Attitude and assessment abilities

For a Bachelor's Degree, students should be able to

- follow the development in the area of enterprise system regarding major trends in inter-organisational information systems,
- demonstrate adequate competence in running professional development processes in companies and organisations from a user and client oriented perspective, and
- analyse and evaluate the relevance of theories, models and methods to different professional project environments.

Programme Structure

Instruction is provided via full or part time, web-based distance education. The programme includes mandatory, programme electives and general electives. Programme electives are courses chosen from a recommended selection, e.g. "courses in Information Systems". General electives can freely chosen from any academic area at Karlstad University or elsewhere. A degree project, preferably in conjunction with a corporation of public agency, concludes the education.

Programme Curriculum

The education comprises 120 ECTS cr. including at least 60 ECTS cr. in information systems or 180 ECTS cr. including at least 90 ECTS cr. in information systems. Students who have earned a Bachelor's degree may continue to study another 60 or 120 ECTS cr. to meet the requirements for a Master's degree.

Mandatory courses for a Higher Education Diploma and a Bachelor's Degree

Enterprise Systems 1: Models for analysis, 7.5 ECTS cr.

Acquisition of IT Systems, 7.5 ECTS cr.

Business by Web och webbanalys, 7,5 hp

Database Design, 7.5 ECTS cr.

Continuation course in programming, 7.5 ECTS cr.
 General Project Management Methodology, 7.5 ECTS cr.
 Basic Programming, 7.5 ECTS cr.
 Individuals and Teams in Projects, 7.5 ECTS cr.
 Information Systems and IT, 7.5 ECTS cr.
 Interaction Design, 7.5 ECTS cr.
 Project Management, 7.5 ECTS cr.
 Object-Oriented Modelling, 7.5 ECTS cr.
 Project Management and Leadership, 7.5 ECTS cr.
 Enterprise and IT, 7.5 ECTS cr.
 Business Development from a Process and Partnership Perspective, 7.5 ECTS cr.

Mandatory course for a Higher Education Diploma

Information Systems - Smaller Thesis Work, 7.5 ECTS cr.

Mandatory courses for a Bachelor's Degree

Information Systems - Bachelor's thesis, 7.5 ECTS cr.

Programme electives for a Bachelor's Degree

Courses in Information Systems totalling 22.5 ECTS cr., for instance, Web Development, 7.5 ECTS cr., Design Patterns, 7.5 ECTS cr., Java and UML, 7.5 ECTS cr., and System Analysis and Design, 7.5 ECTS cr.

General electives for a Bachelor's Degree

Optional courses totalling 22.5 ECTS cr.

Degree Title

Higher Education Diploma
 Specialisation: Information Systems

or

Degree of Bachelor of Science
 Major: Information Systems

Credit Transfer

According to the Higher Education Ordinance (Ch. 6, § 12-14), students may transfer credits from previously completed university courses subject to approval. Transfer of credits for a full course, or other credits, is subject to approval by the Office for Student Services. Transfer of credits from a course module is subject to approval by the course examiner.

Additional Information

The local regulations for undergraduate studies at Karlstad University stipulate the obligations and rights of students and staff.