1. Business-IT alignment knowledge and skills

1.1 The graduate understands, and can act upon, the concept of business innovation, including the interaction between IT innovations and innovations in business processes and business organization.

1.2 The graduate understands and is able to assess the short and long-term impact of the business strategies on both the effectiveness and the efficiency of IT

1.3 The graduate is capable of developing business strategies and business information system strategies, and operationalizing them in an architectural framework.

1.4 The graduate can apply the conceptual framework of Enterprise Architecture to improve business-IT alignment.

1.5 The graduate knows how to apply methods and techniques for the integrated development of business processes and business information systems, by making a reasoned selection, by communicating the principles and by contributing to their further development.

1.6 The graduate knows how to apply information systems methods and techniques like requirements analysis, resource management & planning, architectural design, implementation and administration for alignment and life cycle management of information systems.

1.7 The graduate has competences from at least one of the specializations of the BIT master programme:

 1.7.1 IT Management and Innovation (ITMI: The graduate is capable of applying IT in projects in organizations to improve business performance.

 1.7.2 BA: Graduate is capable of analyzing and interpreting large amounts of data to make business decisions, such as reconfiguration of organizations and their IT infrastructure.

 1.7.3 EA: The graduate is capable of designing IT systems to effectively support business processes, strategy and mission.

2 Scientific approach

2.1 Can independently systematically apply the design cycle (analysis, design, implementation, evaluation and reflection) to complex IT and business problems, by selecting and applying methods, techniques and theories from different disciplines if necessary.

2.2 Can independently systematically design and execute a research plan (literature research, problem analysis, formulating hypothesis, design and execution research plan, data analysis, report, conclude) crossing different disciplines or fields if necessary and to contribute to the scientific research.

2.3 Can independently apply research methodology and research ethics, in the areas of both social science research and design research.

2.4 Can apply creative and critical thinking, reflection and argumentation.

2.5 Is capable of independently acquiring new knowledge and skills from different disciplines.

3 Professional skills

3.1 Can cooperate, discuss and report in written and verbal ways, in English, in both a professional and a research setting, and is aware of the differences between these settings.

3.2 Is capable of working as part of a (multi-disciplinary) team in different roles, as member or leader, in terms of sharing responsibilities, applying time management, and planning resources and reporting, and is aware of group dynamics in development projects.

3.3 Is capable of functioning as a professional in and between different disciplines/fields.

3.4 Is capable of setting up and leading a (simple) enterprise.

4. Taking account of Social and Temporal context

4.1 Is capable of analyzing and discussing ethical, social, cultural and societal aspects of problems, solutions and developments and their consequences in the field.

4.2 Can value differences between cultures and can learn from these.