

**Autumn 1/22**

**Autumn 2/22**

**Spring 1/23**

**Spring 2/23**

**BBCAP22A3**

**Introduction to IT studies**

CA00DW31-3001 Orientation & DIILI  
CA00DW32-3001 Basics of Programming  
CA00DW33-3001 Operating Systems  
CA00DW34-3001 Finnish 1

**Introduction to Software Development**

CA00DW35-3001 Databases  
CA00DW36-3001 Object-Oriented Programming  
CA00DW37-3001 Basics of Data Analysis  
CA00DW38-3001 Computer Networks & Security  
CA00DW39-3001 Finnish 2

**Web Development**

CA00DW40-3001 Building a Static Website  
CA00DW41-3001 Web Programming  
CA00DW42-3001 Content Management Systems  
CA00DW43-3001 Finnish 3

**Software Development**

TK00DW30-3001 Applied Application Project  
TK00DG63-3002 Software Development Tools  
TK00DG54-3002 Web Services



CA00DW44-3001 Finnish 4

**OR**

**Cloud Foundations**

TK00DJ19-3003 Cloud Services  
TK00DJ20-3003 Cloud-Based Business Solutions  
TK00DJ21-3003 Agile Business Solution Development



CA00DW44-3001 Finnish 4

**BBCAP21A3**

**Customer Projects**

CA00DL53-3001 Data Processing With Python  
CA00DL54-3001 Software Testing  
TK00DJ36-3001 Design Factory Project  
CA00DL55-3001 Communication in Customer Projects

**Business Analytics**

CA00DL56-3001 Predictive Analytics with Python  
CA00DL57-3001 Foundations of Data Engineering  
CA00DL58-3001 Digital and Social Media Analytics

**Automating Business Processes**

CA00DL59-3001 Software Robotics and Automation  
CA00DL60-3001 Software Design  
CA00DL61-3001 Minithesis

**Backend Web Development**

TK00DH19-3001 Web Accessibility  
TK00DH20-3001 JavaScript  
TK00DH21-3001 Web Framework Project

**OR**

**Data Science**

TK00DH09-3001 Mathematics for Data Science with Python  
TK00DH10-3001 Big Data Technologies  
TK00DH11-3001 Applied Machine Learning

**OR**

**Delivering Software Products**

TK00DJ32-3001 Software Delivery Models & Methods  
TK00DJ30-3001 Web Servers  
TK00DJ29-3001 Containerization  
TK00DJ31-3001 Software Delivery Tools

**BBCAP20A3**

CA00CH52-3002 Artificial Intelligence and Big Data

CA00CH57-3002 Introduction to Game Engine Development and AR/VR

CA00CI06-3002 ICT Project

CA00CH81-3002 Work Placement