

# Commercial Software Engineering with concentration in Automation and Testing

## Year 1

### > First semester

Logic  
Programming 1  
Operating Systems 1  
Basic Algebra  
Software Development 1  
Database 1  
Calculus I  
Communication 1  
English 1

### > Second semester

Linear Algebra  
Programming 2  
Database 2  
Software Development 2  
Operating Systems 2  
English 2  
Communication 2  
History of Software Engineering

## Year 2

### > Third semester

Programming 3  
Software Quality Engineering 1  
Calculus II  
Software Development 3  
Computer Networks 1  
Software Quality Engineering 2  
English 3  
Statistics  
Communication 3

### > Fourth semester

Programming 4  
Algorithmics 1  
Software Development 4  
Computer Networks 2  
Software Quality Engineering 3  
English 4  
Software Quality Engineering 4  
Communication 4  
Ethical and intercultural perspectives

## Year 3

### > Fifth semester

Algorithmics 2  
Operating Systems 3  
Software Quality Engineering 5  
Script Programming  
Unix Administration  
Software Quality Engineering 6  
Web Software Quality

### > Sixth semester

Development and Operations 1  
Software Quality Engineering 7  
Database 3  
Software Quality Engineering 8  
Automation 1  
Automation 2  
Social issues and professional practice

## Year 4

### > Seventh semester

Development and Operations 2  
Web Software Quality  
Research Project on Software Development 1  
Research Project on Software Development 2  
Mobile Application Software Quality  
Automation 3

### > Eighth semester

Research Project on Software Development 3  
Metrics Analysis and Risk Management  
Research Project on Software Development 4  
Performance Testing  
Cloud Software Quality 1  
Cloud Software Quality 2