EIT Digital Master School

Relevant field of studies

2022

Please check that you have a relevant bachelor's degree and/or skill set for the programme you wish to apply for.

Autonomous Systems (AUS)

A Bachelor of Science in:

- Electrical Engineering/Electronics
- Computer Engineering
- Computer Science
- Information Technology
- Industrial Engineering

Students should have basic competence in programming, data structures and algorithms, and mathematics including calculus, algebra, and mathematical statistics. Preferred additional competences are basic mechanics and systems theory. Please note that a good knowledge of C++ is required to take some mandatory courses.

Cloud and Network Infrastructures (CNI)

A Bachelor of Science in:

- Computer Science
- Computer Engineering
- Information Systems

Students should have basic competence in mathematics, theoretical foundations of computer science, algorithms and data structures, software engineering and database systems, computer architectures, computer networks and operating systems.

Cyber Security (CSE)

A Bachelor of Science in:

- Computer Science
- Information Systems
- Mathematics
- Statistics
- Electrical Engineering/Electronics

Students must demonstrate basic knowledge of programming and information technology.

Data Science (DSC)	A Bachelor of Science in: ▪ Computer Science ▪ Information Systems ▪ Mathematics ▪ Statistics ▪ Electrical Engineering/Electronics The studies should include at least 60 ECTS courses in computer science, computer architecture, or programming, and mathematics including calculus, algebra and mathematical statistics.
Human Computer Interaction and Design (HCID)	A Bachelor of Science in: ▪ Computer Science ▪ Information Systems ▪ Mathematics ▪ Statistics ▪ Electrical Engineering/Electronic Engineering In special cases students from industrial design, media technology, computational linguistics, and cognitive sciences with sufficient skills in mathematics, software design and programming can be considered.
Embedded Systems (ES)	A Bachelor of Science in: ▪ Computer Science/Software Engineering ▪ Computer Engineering ▪ Information Systems ▪ Electrical Engineering/Electronics ▪ Communication Engineering ▪ Mechatronics ▪ Mathematics The studies should include at least 60 ECTS courses in computer science, computer architecture, or programming, and mathematics including calculus, algebra and mathematical statistics.

Fintech (FT)	If you wish to apply to this program you must have a Bachelor of Science in, or be in your final year of studies of: ▪ Computer Science ▪ Telecommunication Engineering ▪ Information Systems ▪ Mathematics ▪ Statistics ▪ Electrical Engineering/Electronics ▪ Information Technology ▪ Software Engineering ▪ Business Informatics ▪ Business administration and Finance (with a strong component on computer science) Reasonable knowledge of the fundamentals of computing and information sciences and technologies

If you have a bachelor's degree that differs from our recommended degrees, you are still welcome to apply by explaining how your academic and professional background suits the specific programme.

EIT Digital

We believe in making and shaping a competitive digital Europe that is inclusive, fair and sustainable and aim at global impact through European innovation fueled by entrepreneurial talent and digital technology.

We embody the future of innovation by mobilizing a pan-European multi-stakeholder open-innovation ecosystem of top European corporations, SMEs, startups, universities and research institutes, where students, researchers, engineers, business developers and investors address the technology, talent, skills, business and capital needs of digital entrepreneurship.

We build the next generation of digital ventures, digital products and services, and breed digital entrepreneurial talent, helping business and entrepreneurs to be at the frontier of digital innovation by providing them with technology, talent, and growth support.

For more information, visit www.eitdigital.eu. Follow us on Twitter: @EIT_Digital