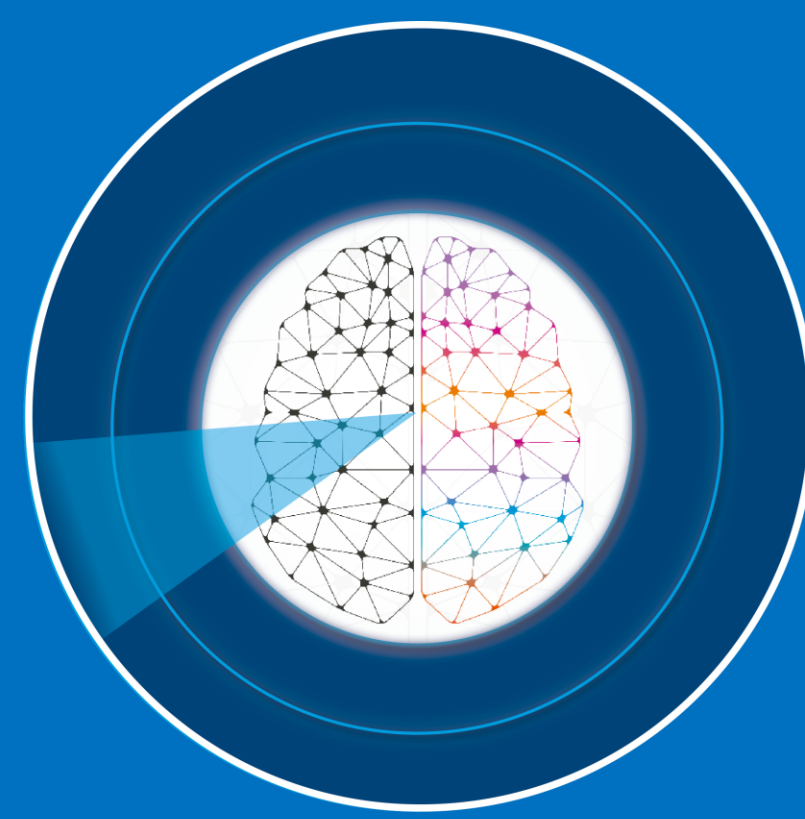




**ASSETS+**  
Alliance for Strategic Skills addressing Emerging Technologies in Defence

# Education & Training Programme GUIDELINE for large scale exploitation

## 35 Courses implemented (2020-2023) · Topics:



Cybersecurity  
digital security



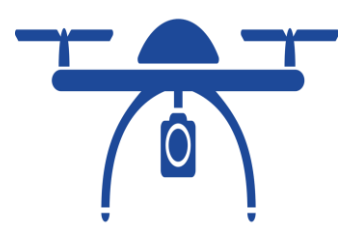
Data analysis  
machine learning



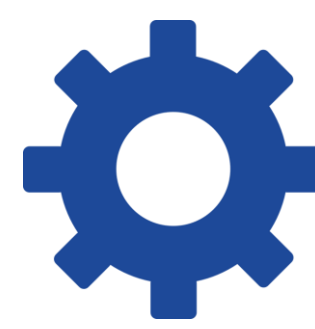
Systems engineering  
and technology



Environmental  
regulations and  
circular economy



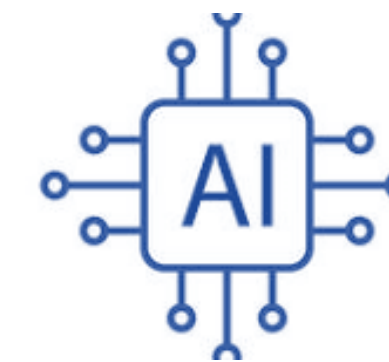
Drone technology  
remote sensing



Industrial and  
manufacturing  
processes



Project and  
maintenance  
management



Artificial intelligence  
and specialised  
topics



### Teachers' competencies

A blend of in-depth theoretical knowledge and practical experience in relevant fields, along with the ability to engage students through innovative teaching methods and collaborative approaches.

Certifications and qualifications vary, but generally include advanced degrees and relevant expertise.

Familiarity with current technologies and an open-minded, adaptable approach to teaching.

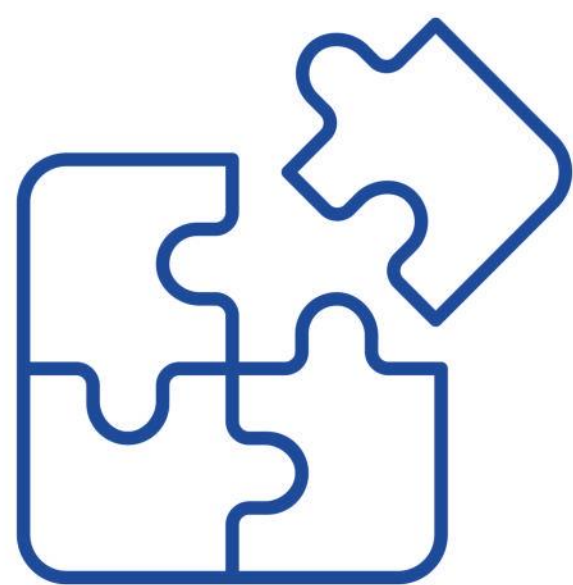


### Industry involvement

- guest lectures
- collaborative projects
- curriculum development
- practical application focus

#### FUTURE INVOLVEMENT

- real-life case studies
- enhanced practical relevance
- active teaching participation
- and contributions to specific course elements (design exercises and cybersecurity topics)



### Interdisciplinarity

Integrating a wide array of disciplines into the curriculum, inviting experts from various fields, and encouraging collaborative, cross-disciplinary learning approaches.

#### SUMMARY OF DISCIPLINES INVOLVED

- Mathematics, electronics, computer science, mechanics, statistical analysis,
- Technology and engineering, aerospace engineering,
- Artificial intelligence, deep learning, image processing,
- Control systems, data collection and storage, data analysis, fault diagnosis,
- Sustainability, green transition, energy-related fields, ecology, geography and earth science, environmental science, safety and regulatory expertise, agricultural science, meteorology and climate science,
- Risk management, supply chain management,
- History, political science, law, sociology, psychology, ethics, and philosophy,
- Urban planning and architecture, public transportation,
- Economics and business, communications, and marketing.



### Internationalization

Through European collaborations, inclusion of diverse content, and use of technology for virtual interactions.

Encouraging this requires flexibility, technological support, and overcoming barriers such as language differences and logistical challenges.

#### DRIVERS

enhancing European  
understanding  
meeting international  
standards

#### BARRIERS

linguistic, educational,  
and legal differences

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