University of Suffolk

DEFINITIVE COURSE RECORD

Body	University of Suffolk
Level of Award[1]	**FHEQ Level 6**
Professional, Statutory and Regulatory Bodies Recognition	**Tech Skills**
Credit Structure[2]	**360 Credits** **Level 4: 120 Credits** **Level 5: 120 Credits** **Level 6: 120 Credits**
Mode of Attendance	**Full-time**
Standard Length of Course[3]	**4 Years**
Intended Award	**BSc (Hons) Digital & Technology Solutions (Cyber Security Analyst)**
Named Exit Awards	**CertHE Digital & Technology Solutions (Cyber Security Analyst)** **DipHE Digital & Technology Solutions (Cyber Security)**

Entry Requirements[4]

BSc (Hons) Digital & Technology Solutions (Cyber Security Analyst) (IDADTS/IDSCDAP423)
Information for 2024-25
Version 1.0 (18 September 2023)

Page 1 of 6

University of Suffolk

DEFINITIVE CO2 5oREoRD

practical skills and industrial certification that will help secure employment in this competitive economy Graduates will have achieved core competencies in network engineering, software engineering, data analysis, cyber security, business analysis and project management. In addition, graduates will have achieved the specialist competency of Cyber Security Analyst on the Digital & Technologyolutions framework , and additionally covered the knowledge and skills expected of Data Aysts and Cyber Security Analysts .

Course Aims

- Provide learners with a sound knowledge and understanding of software engineering.
- Enable learners to be proficient in the specification, design, creation, testing and roll-out of software products.
- Provide learners with comprehensive knowledge and understanding of cy security for networks, software and systems.
- Enable learners to be proficient in the design and implementation of cyber security elements of networks, software and systems.
- Provide learners with sound knowledge, understanding and practical skills in advanced cyber security topics (including strategy, assurance, penetration testing and digital forensics).
- Enable all learners on the Cyber Security Analyst Pathway to achieve the specialist competencies of Cyber Security Analyst on the Digital & Technology Solutions framework
- Enable all learners on the Cyber Security Analyst Pathway to successfully achieve their end-point competency as Cyber Security Analysts
- Help students develop competencies in effective interpersonal and business communication, presentation skills, business and project management;
- Help learners develop the personal qualities and professional attributes required by employers (these include: reliability, integrity, ethical approach, dependability, team work and reflection);
- Encourage learners to understand their own technological responsibilities in the context of the client organisation and its commercial and business operation;
- Develop learners ability to take responsibility for their own learning and professional development.

Course Learning Outcomes
The following statements define what learners graduating from the BSc (Hons) Digital & Technology Solutions (Cyber Security Analyst) course will have been judged to have demonstrated in order to achie (j)-8.2 7( )0.5 (h2.6 (op)4.011 0 Td[(l).9 (ner)or)4.9 (t)-6.6 (v)-2 (el)2ilto d. rc

DEFINITIVE COURSE RECORD

3. Utilise knowledge and skills relating to cyber security to analyse, develop and deploy ethical "cyber attacks" for essential penetration testing of software, networks and systems, and to analyse, develop and deploy cyber defences in depth to protect software, networks, and systems, using both established and bleeding-edge

University of Suffolk

DEFINITIVE COURSE RECORD

14. Evidence the qualities and transferable skills necessary for graduate-level employment requiring the exercising of initiative, personal responsibility, and decision making, through working individually and in groups on mini-projects, extended case studies and scenarios, and their major project in cyber security.

15. Identify appropriate practices considering equality, diversity, and inclusion (EDI) as well as any economic, social, and environmental impact.

Course Design
The design of this course has been guided by the following QAA Benchmarks and Apprenticeship Standards:

- QAA Subject Benchmark in Computing (2022)
- Digital & Technology Solutions Professional apprenticeship standard (2023)

Course Structure
The BSc (Hons) Digital & Technology Solutions (Cyber Security Analyst) comprises modules at levels 4, 5 and 6.

Module Specifications for each of these modules are included within the course handbook, available to learners on-line at the beginning of each academic year.

	Module	Credits	Module Type[7]
Level 4			
	Computing Fundamentals	20	R
	Introduction to Networking	20	R
	Personal and Professional Development	20	R
	Introduction to Programming	20	R
	Operating Systems	20	R
	Foundations of Management	20	R
Level 5			
	Relational Databases	20	R
	Advanced Networking Concepts	20	R
	Software Design, Development and Engineering	20	R
	Cyber Security Fundamentals	20	R
	Research Skills	20	M
	Cyber Security Tools and Techniques	20	R
Level 6			
	Cyber Security for the Enterprise	20	

DEFINITIVE COURSE RECORD

	Cyber Security: Defence	20	R
	Applied Cyber Security	20	R
	Emergent Technologies	10	R
	Synoptic Project (Cyber Security Analyst)	30	M

Awards

On successful completion of the course, learners will be awarded a BSc (Hons) Digital & Technology Solutions (Cyber Security Analyst). Learners who leave the course early may be eligible for a DipHE Digital & Technology Solutions (Cyber Security Analyst) on successful completion of 240 credits including the mandatory module at level 5, or a CertHE Digital & Technology Solutions (Cyber Security Analyst) on successful completion of 120 credits.

Course Delivery

The course is delivered at Ipswich. Learners studying full-time on BSc (Hons) Digital & Technology Solutions (Cyber Security Analyst)