Competency	Essex Graduate	Skill	Skill Level	Evidence				Skill Level Key	
Professional	Literacy, Communication, Language Skills	Express information effectively to technical and non-technical audiences	Proficient	Wrote clear audit reports and recommendations			**Aware**	General understanding and basic knowledge	
		Create documents to aid your communication (reports, diagrams, legal descriptions, plans, manuals and charts)	Proficient	Produced detailed plan and results summary					
	Commercial Awareness	Keep current with tools of the industry, as well as emerging technology	Trained	Used new scanning tools, explored emerging threats			**Trained**	Able to apply knowledge, able to work independently under certain conditions	
		Seek opportunites to improve and share knowledge of tools and technology that may improve productivity	Trained	Shared troubleshooting steps with peers					
		Participate in scientific and professional organisations	Aware	Took part in module Wiki and forums			**Proficient**	Broad and in-depth knowledge, able to work independently with very little supervision	
		Emphasise quality, customer satisfaction and fair application of policies.	Trained	Linked findings to GDPR and ISO standards					
		Demonstrate familiriaty with codes of conduct for the Computing field.	Trained	Followed ethical scanning practice			**Expert**	Seen as a subject matter expert, able to lead and train others.	
	Subject understanding, research, critical thinking, time management	Critically analyse complex ideas in concepts in the field of Computer Science	Proficient	Applied Cyber Kill Chain, threat models					
		Recognise inconsistencies and gaps in information, and search for additional information when needed…	Trained	Researched tool issues and standards					
		Explore complex real-world problems in a Computing context	Proficient	Planned and ran scans on real web systems					
Legal and Ethical	Ethical Awareness	Comply with the letter and spirit of applicable laws	Trained	Maintained scope and legal compliance					
		Maintain privacy and confidentiality of company, co-worker and customer information	Trained	Followed responsible disclosure principles					
Social (inc. Teamwork)	Cultural Awareness	Act in the best interest of the community at large - Social (Community) Responsibility	Trained	Debated AI and digital risks					
	Teamwork, Leadership and Resilience, Time Management	Collaborate effectively in diverse teams to achieve team goals	Proficient	Contributed actively to peer Wiki					
		Meeting team objectives using teamwork skills	Proficient	Met shared deadlines in group tasks					
		Demonstrate skills in leadership and team building	Proficient	Supported peers in discussion threads					
		Give and receive constructive feedback	Proficient	Exchanged feedback during group					
	Creativity, Entrepreneurial, Problem solving, Initiative, Decision Making	Create, discuss and deliver strategies for sustainability for all stakeholders (company, community and environment)	Trained	Wrote clear, actionable recommendations					
		Able to make a decision on a complex matter/scenario using multiple sources of information	Trained	Prioritised risks, justified mitigations					
Technical (Data Science)	IT and Digital, Numeracy	Technical skills relevant to your degree programme:							
		SQL for database querying	Trained	Basic awareness from context					
		Python Programming	Trained	Troubleshooted install issues					
		Java	Aware	Not directly applied in NSM					
		Python	Trained	Minor scripting tasks					
		noSQL	Aware	Conceptual only in this module					
		Scripting Language (Python)	Trained	Solved tool errors					
		Statistical Language (R)	Aware	Not core to NSM, but conceptually relevant					
		Gits - repository development and maintenance	Proficient	Managed reports, versioning					
		Use of conferenceing technologies and Moodle (VLE)	Trained	Engaged in online discussion & Wiki					
		Use of Word Processing tools and Spreadsheets	Trained	Produced formatted audit reports					
		Effective use of e-library resources	Proficient	Researched vulnerabilities,					
Subject Application	Global Citizen, Teamwork, Leadership, Emotional Intelligence	Take into account other people's perspectives	Proficient	Balanced multiple views in debates					
		Work constructively with differences in viewpoints	Expert	Managed respectful group discussions					
		Actively participate in a range of community activities as an informed citizen	Expert	Engaged in collaborative Wiki					
	Decision Making, Initiative, Emotional Intelligence, Ethical Awareness	Develop, articulate and clarify your personal values and ethics	Proficient	Reflected on ethical impact of scanning, AI debates					

This is by no means a comprehensive list of Professional skills required for your programme. It is meant to be used as a guide for your SWOT analysis/action plan as part of your Professional Development Plan (PDP).

As you progress through the course, you will discover other skills you need to develop or currently have. These can be described in further detail in your SWOT analysis/action plan.

As this is required in various modules, you may end up with different versions of this Matrix. You can collate them in your Learning Loop as part of your final PDP at the end of your programme.

Adapted from BCS guidelines and Essex graduate