Competency	Essex Graduate	Skill	Skill Level	Evidence
Professional	Literacy, Communication, Language Skills	Express information effectively to technical and non-technical audiences Create documents to aid your communication (reports, diagrams, legal descriptions, plans, manuals and charts)	Proficient Proficient	Team Meeting & Dicussions Team Meetings
	Commercial Awareness	Keep current with tools of the industry, as well as emerging technology Seek opportunites to improve and share knowledge of tools and technoology that may improve productivity Participate in scientific and professional organisations Emphasise quality, customer satisfaction and fair application of policies. Demonstrate familiriaty with codes of conduct for the Computing field.	Trained Proficient Trained Aware Trained	Coding Output Assingnment Design Document Disscussions Team Participation Module Learining
	Subject understanding, research, critical thinking, time management	Critically analyse complex ideas in concepts in the field of Computer Science Recognise inconsistencies and gaps in information, and search for additional information when needed… Explore complex real-world problems in a Computing context	Trained Proficient Trained	**Module Discussions** **Team Project** **Module Learning**
Legal and Ethical	Ethical Awareness	Comply with the letter and spirit of applicable laws Maintain privacy and confidentiality of company, co-worker and customer information	Proficient Trained	GDPR Compliance GDPR Compliance
eamwork)	Cultural Awareness	Act in the best interest of the community at large - Social (Community) Responsibility	Proficient	GDPR Compliance
	Teamwork, Leadership and Resilience, Time	Collaborate effectively in diverse teams to achieve team goals Meeting team objectives using teamwork skills	Proficient Proficient	Team Participation Team Meetings

Social (inc. T...)	**Resilience, Time Management**	Demonstrate skills in leadership and team building	Proficient	Team Meetings
		Give and receive constructive feedback	Proficient	Team Meetings
	Creativity, Entrepreneurial, Problem solving, Initiative, Decision	Create, discuss and deliver strategies for sustainability for all stakeholders (company, community and environment)	Proficient	Team Participation
		Able to make a decision on a complex matter/scenario using multiple sources of information	Proficient	Design Document
Technical (Data Science)	**IT and Digital, Numeracy**	*Technical skills relevant to your degree programme:*		
		SQL for database querying	Proficient	Web Application Coding Output
		Python Programming	Proficient	Web Application Coding Output
		Java	Trained	Web Application Coding Output
		Python	Proficient	Web Application Coding Output
		noSQL		
		Scripting Language (Python)	Proficient	Web Application Coding Output
		Statistical Language (R)	Aware	
		Gits - repository development and maintenance	Trained	Web Application Coding Output
		Use of conferenceing technologies and Moodle (VLE)	Proficient	Web Application Coding Output
		Use of Word Processing tools and Spreadsheets	Proficient	Web Application Coding Output
		Effective use of e-library resources	Trained	Module Discussions
Subject Application	**Global Citizen, Teamwork, Leadership, Emotional**	Take into account other people's perspectives	Proficient	**Team Participation**
		Work constructively with differences in viewpoints	Proficient	**Team Participation**
		Actively participate in a range of community activities as an informed citizen	Proficient	
	Decision Making, Initiative, Emotional Intelligence, Ethical Awareness	Develop, articulate and clarify your personal values and ethics	Proficient	

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 pla...

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 p...

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 y...

Adapted from BCS guidelines and Essex graduate

Skill Level Key

Aware   General understanding and basic knowledge

Trained   Able to apply knowledge, able to work independently under certain conditions

Proficient   Broad and in-depth knowledge, able to work independently with very little supervision

Expert   Seen as a subject matter expert, able to lead and train others.

n as part of your Professional Development Plan (PDP).

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our programme.