Competency	Essex Graduate	Skill	Skill Level	Evidence			<u>Skill Level Key</u>
Professional	Literacy, Communication, Language Skills		Proficient	Collaborative discussions, blog posts, debates, formative activities, summative assessments, README file, code comments		Aware	General understanding and basic knowledge
		Create documents to aid your communication (reports, diagrams, legal descriptions, plans, manuals and charts)	Proficient	Collaborative discussions, blog posts, debatesformative activities, summative assessments, e-Portfolio		Trained	Able to apply knowledge, able to work independently under certain conditions
	Commercial Awareness	Keep current with tools of the industry, as well as emerging technology	Trained	e-Portfolio, collaborative discussions, blog posts, debates,formative activities, summative assessments		Proficient	Broad and in-depth knowledge, able to work independently with very little supervision
			Proficient	Collaborative discussion, team design document, live seminar attendance, VLE engagement		Expert	Seen as a subject matter expert, able to lead and train others.
		Participate in scientific and professional organisations  Emphasise quality, customer satisfaction and fair		Python discussion forums  Team design document, summative assessments, e-Portfolio, individual coding			
		Demonstrate familiriaty with codes of conduct for the	Trained	Summative assessments, collaborative discussion, blog posts, debate formative			Patricia Assesta Cautas
	Subject understanding, research, critical thinking, time management	Critically analyse complex ideas in concepts in the	Trained  Proficient	activities  Team design document, reflective piece, collaborative discussion, summative assessments, formative assessments, debate, blog post			Patricia Annette Santos  Secure Software Development (Computer Science) March 2024
		Recognise inconsistencies and gaps in information,	Proficient	Team design document, individual coding output, reflective piece, collaborative discussions, e-Portfolio, summative assessments, blog post, debate			
		Explore complex real-world problems in a Computing context	Trained	Summative assessments, e-Portfolio, individual coding ouptut, team design document			Reference: University of Essex Online (N.D.) Creating your e-Portfolio. Available from: <a href="https://www.my-course.co.uk/mod/book/view.php?id=397323&amp;chapterid=4270">https://www.my-course.co.uk/mod/book/view.php?id=397323&amp;chapterid=4270</a> [Accessed: 15 February 2024.]
Legal and Ethical	Ethical Awareness	Maintain privacy and confidentiality of company, co-	Proficient Proficient	Summative assessments, reflective piece, academic honesty and integrity  Collaborative discussions, e-Portfolio			
Social (inc. Teamwork)	Cultural Awareness	Act in the best interest of the community at large -	Proficient	Collaborative discussions, live seminar attendance, academic honesty and integrity			
	Teamwork, Leadership and Resilience, Time Management	Collaborate effectively in diverse teams to achieve	Proficient	Team design document, collaborative discussions, communication with peers and groupmates, open communication with the tutor			
		3	Proficient Proficient	Team design document Team design document			
		Give and receive constructive feedback	Proficient	Collaborative discussions, communication with peers and groupmates, communication with student support, communication with tutor			
	Entrepreneurial, Problem solving, Initiative, Decision Making	Create, discuss and deliver strategies for sustainability for all stakeholders (company, community and environment)	Aware	Collaborative discussions, communication with student support, communication with peers and group mates			
		Able to make a decision on a complex matter/ scenario using multiple sources of information	Trained	Communication with tutor, communication with student support, communication with peers			
<u>Technical (Data</u> <u>Science)</u>	IT and Digital, Numeracy	Technical skills relevant to your degree programme:  SQL for database querying	Aware	Sqlite was used for the database in the individual coding output			
			Aware	Individual coding output assessment, e- Portfolio coding exercises, live seminar attendance			
			Aware Aware	e-Portfolio coding activities Individual coding output assessment, e- Portfolio coding exercises, live seminar attendance			
		noSQL	N/A	Not learned this module Individual coding output assessment, e-			
		Scripting Language (Python)	Aware	Portfolio coding exercises, live seminar attendance Individual coding output assessment, e-			
			Aware Proficient	Portfolio coding exercises, live seminar attendance e-Portfolio			
		Use of conferenceing technologies and Moodle (VLE)	Proficient	Navigating Moodle, accessing e-library, using chat boxes in Moodle, use of Zoom for live  Professional skills matrix, action plan,			
		Use of Word Processing tools and Spreadsheets	Proficient	reflective piece, summative assessments, collaborative discussions Research for summative assessments,			
Subject Application	Global Citizen, Teamwork, Leadership, Emotional Intelligence	Effective use of e-library resources	Proficient	collaborative discussions, blog posts, and debate, wider academic reading  Communication with peers and groupmates,			
		Take into account other people's perspectives	Proficient	live seminar attendance, collaborative discussions, blog posts, debate, academic honesty, meetings with tutor  Communication with peers and groupmates,			
		Work constructively with differences in viewpoints	Proficient	live seminar attendance, collaborative discussions, blog posts, debate,academic honesty, meetings with tutor			
		Actively participate in a range of community activities as an informed citizen	Proficient	Communication with peers and groupmates, live seminar attendance, collaborative discussions, blog posts, debate, academic honesty, meetings with tutor			
	Decision Making, Initiative, Emotional	Develop, articulate and clarify your personal values	Proficient	Reflective piece, e-Portfolio, summative assessments, collaborative discussions, communication with peers and groupmates, API demonstration, meetings wth tutor			
his is by no means a	comprehensive list of	Professional skills required for your programme. It is m	neant to be us	ed as a guide for your SWOT analysis/action plan	as part of your Profe	ssional Deve	lopment Plan (PDP).
	· · ·	ll discover other skills you need to develop or currently may end up with different versions of this Matrix. You c		· · · · · · · · · · · · · · · · · · ·		ogramme.	

Adapted from BCS guidelines and Essex graduate