

Competency	Essex Graduate	Skill	Skill Level	Evidence				
							Skill Level Key	
Professional	Literacy, Communication, Language Skills	Express information effectively to technical and non-technical audiences	Aware	Collaborative discussions, formative activities, summative assessments			Aware	General understanding and basic knowledge
		Create documents to aid your communication (reports, diagrams, legal descriptions, plans, manuals and charts)	Proficient	Collaborative discussions, formative 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, formative activities, summative assessments			Proficient	Broad and in-depth knowledge, able to work independently with very little supervision
		Seek opportunities to improve and share knowledge of tools and technology that may improve productivity	Trained	Live seminar attendance, VLE engagement			Expert	Seen as a subject matter expert, able to lead and train others.
		Participate in scientific and professional organisations	Aware	Joining Python discussion forums				
		Emphasise quality, customer satisfaction and fair application of policies.	Trained	Summative assessments, e-Portfolio,				
		Demonstrate familiarity with codes of conduct for the Computing field.	Aware	Summative assessments, collaborative discussion, formative activities				Patricia Annette Santos
	Subject understanding, research, critical thinking, time management	Critically analyse complex ideas in concepts in the field of Computer Science	Trained	Codio activities, reflective piece, collaborative discussion, summative assessments, formative assessments				Object Oriented Programming November 2023
		Recognise inconsistencies and gaps in information, and search for additional information when needed...	Trained	Collaborative discussions, e-Portfolio, summative assessments				
		Explore complex real-world problems in a Computing context	Aware	Summative assessments, e-Portfolio, Codio activities				Reference: University of Essex Online (N.D.) Creating your e-Portfolio. Available from: https://www.my-course.co.uk/mod/book/view.php?id=397323&chapterid=4270 [Accessed: 15 February 2024.]
Legal and Ethical	Ethical Awareness	Comply with the letter and spirit of applicable laws	Trained	Summative assessments, reflective piece, academic honesty				
		Maintain privacy and confidentiality of company, co-worker and customer information	Proficient	Collaborative discussions, e-Portfolio				
Social (inc. Teamwork)	Cultural Awareness	Act in the best interest of the community at large - Social (Community) Responsibility	Proficient	Collaborative discussions, live seminar attendance, academic honesty				
	Teamwork, Leadership and Resilience, Time Management	Collaborate effectively in diverse teams to achieve team goals	Trained	Collaborative discussions, communication with peers, open communication with the tutor				
		Meeting team objectives using teamwork skills	N/A	No group work this module				
		Demonstrate skills in leadership and team building	N/A	No group work this module				
	Creativity, Entrepreneurial, Problem solving, Initiative, Decision Making		Give and receive constructive feedback	Trained	Collaborative discussions, communication with peers, communication with student support, communication with tutor			
Create, discuss and deliver strategies for sustainability for all stakeholders (company, community and environment)			Aware	Collaborative discussions, communication with student support, communication with peers				
Technical (Data Science)	IT and Digital, Numeracy	Technical skills relevant to your degree programme:						
		SQL for database querying	Aware	MySQL summative assessment during LCS module				
		Python Programming	Aware	Summative assessments, Codio exercises, live seminar attendance				
		Java	N/A	Not learned this module				
		Python	Aware	Codio exercises, summative assessments, live seminar attendance				
		noSQL	N/A	Not learned this module				
		Scripting Language (Python)	Aware	Codio exercises, summative assessments, live seminar attendance				
		Statistical Language (R)	Aware	Codio exercises, summative assessments, live seminar attendance				
		Gits - repository development and maintenance	Trained	e-Portfolio				
		Use of conferencing technologies and Moodle (VLE)	Proficient	Navigating Moodle, accessing e-library, using chat boxes in Moodle, use of Zoom for live seminars				
		Use of Word Processing tools and Spreadsheets	Proficient	Professional skills matrix, action plan, reflective piece, summative assessments, collaborative discussions				
		Effective use of e-library resources	Proficient	Research for summative assessments and collaborative discussions, wider academic reading				
Subject Application	Global Citizen, Teamwork, Leadership, Emotional Intelligence	Take into account other people's perspectives	Proficient	Communication with peers, live seminar attendance, collaborative discussions, academic honesty				
		Work constructively with differences in viewpoints	Proficient	Communication with peers, live seminar attendance				
		Actively participate in a range of community activities as an informed citizen	Proficient	Collaborative discussion, communication with peers, live seminar attendance				
	Decision Making, Initiative, Emotional Intelligence, Ethical Awareness							
		Develop, articulate and clarify your personal values and ethics	Proficient	Reflective piece, e-Portfolio, summative assessments, collaborative discussions, communication with peers				
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								