

Competency	Essex Graduate	Skill	Skill Level	Evidence
<u>Professional</u>	Literacy, Communication, Language Skills	Express information effectively to technical and non-technical audiences	Expert	Engagement in collaborative discussions and research proposal presentation to express my ideas effectively
		Create documents to aid your communication (reports, diagrams, legal descriptions, plans, manuals and charts)	Expert	Performed statistical inference activities in units 8 and 9
	Commercial Awareness	Keep current with tools of the industry, as well as emerging technology	Proficient	Researched current literature while engaging in summative activities such as literature review and research proposal
		Seek opportunities to improve and share knowledge of tools and technology that may improve productivity	Proficient	I have in-depth knowledge in statistical analysis software tools such as SPSS, R and Python that improves productivity compared to spreadsheets
		Participate in scientific and professional organisations	Expert	In my profession as Clinical Scientist, am a member of Institute of Physics IPEM and Engineering in Medicine and Health and Care Professionals Council HCPC
		Emphasise quality, customer satisfaction and fair application of policies.	Expert	I am aware of importance of service/product quality and customer satisfaction and ensure all the processes and institutional policies follow regulatory guidance

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		Demonstrate familiarity with codes of conduct for the Computing field.	Expert	I have read ACM and IEEE code of ethics for computing professionals
	Subject understanding, research, critical thinking, time management	Critically analyse complex ideas in concepts in the field of Computer Science	Expert	Engaged in Unit 4 and 7 literature review activity and I chose a topic on cloud computing which helped me to know different techniques used with this technology for healthcare
		Recognise inconsistencies and gaps in information, and search for additional information when needed...	Expert	Engaged in literature review activity in Unit 7 summative and involved in peer review activity in unit 3 seminar preparation and critically reviewed the given information
		Explore complex real-world problems in a Computing context	Expert	Engaged in collaborative discussion activities in units 1 and 7 which tests the decision making in situations of complex real world problems
<u>Legal and Ethical</u>	Ethical Awareness	Comply with the letter and spirit of applicable laws	Expert	Engaged in Unit 1 Elective activity about ethics in computing
		Maintain privacy and confidentiality of company, co-worker and customer information	Expert	Engaged in Unit 4 seminar preparation activity about case study on privacy

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<u>Social (inc. Teamwork)</u>	Cultural Awareness	Act in the best interest of the community at large - Social (Community) Responsibility	Expert	Engaged in case study on privacy in Unit 4 Seminar preparation activity and inappropriate use of survey in unit 5 reflective activity
	Teamwork, Leadership and Resilience, Time Management	Collaborate effectively in diverse teams to achieve team goals	Expert	I have worked as part of team with peers from diverse locations in the world in the modules, Machine learning and Intelligent agents
		Meeting team objectives using teamwork skills	Expert	In the above mentioned modules, as a team have successfully completed projects well before deadlines, by setting clear goals and expectations
		Demonstrate skills in leadership and team building	Expert	I have effectively communicated and actively listened to my teammates, have inspired and motivated by encouraging their valuable inputs to the project, have taken responsibility to complete tasks on time
		Give and receive constructive feedback	Expert	I have effectively participated in team meeting by setting a clear agenda, ensuring active participation and summarising key takeaways.
	Creativity, Entrepreneurial, Problem solving, Initiative, Decision Making	Create, discuss and deliver strategies for sustainability for all stakeholders (company, community and environment)	Expert	Engaged in case study on privacy in Unit 4 Seminar preparation activity where I provided insights from all stake-holders perspective

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		Able to make a decision on a complex matter/scenario using multiple sources of information	Expert	Engaged in case study on inappropriate use of survey in unit 5 reflective activity where I was able to gather information from multiple references to make my point on inappropriate use of data
<u>Technical (Data Science)</u>	IT and Digital, Numeracy	<i>Technical skills relevant to your degree programme:</i>		
		SQL for database querying	Aware	I have basic knowledge of its application
		Python Programming	Proficient	Used Python programming in previous modules such as Machine learning and Intelligent agents
		Java	Aware	I have basic knowledge of its application
		Python	Proficient	Used Python programming in previous modules such as Machine learning and Intelligent agents
		noSQL	Aware	I have basic knowledge of its application
		Scripting Language (Python)	Proficient	Used Python programming in previous modules such as Machine learning and Intelligent agents
		Statistical Language (R)	Proficient	Uses R statistical programming language in previous module, Numerical Analysis
		Gits - repository development and maintenance	Proficient	I have been using this effectively for maintaining my ePortfolio of this course activities
		Use of conferencing technologies and Moodle (VLE)	Proficient	I have been undertaking all my learning needs using these technologies
		Use of Word Processing	Expert	I have been using this routinely for all my study and

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		tools and Spreadsheets		work related activities
		Effective use of e-library resources	Proficient	Efficiently using e-library resources for all my literature reading requirements
<u>Subject Application</u>	Global Citizen, Teamwork, Leadership, Emotional Intelligence	Take into account other people's perspectives	Expert	Have worked as part of team with peers from diverse locations in the world in the modules, Machine learning and Intelligent agents
		Work constructively with differences in viewpoints	Expert	Involved in team projects and meetings to complete tasks successfully in the modules, Machine learning and Intelligent agents
		Actively participate in a range of community activities as an informed citizen	Expert	I have participated in surveys and have provided constructive feedback
	Decision Making, Initiative, Emotional Intelligence, Ethical Awareness	Develop, articulate and clarify your personal values and ethics	Expert	I have made well-informed choice in challenging decision making situations, discussed complex details to stake-holders. I have problem-solving skills and have awareness of consequences of my own actions. I have ethical awareness and have engaged in related activities in Unit 1
Adapted from BCS guidelines and Essex graduate				