

Competency	Essex Graduate	Skill	Skill Level	Evidence
<u>Professional</u>	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	> Pearson Language test > Liaison with various parties > PoE
	Commercial Awareness	Keep current with tools of the industry, as well as emerging technology Seek opportunities to improve and share knowledge of tools and technology that may improve productivity Participate in scientific and professional organisations Emphasise quality, customer satisfaction and fair application of policies. Demonstrate familiarity with codes of conduct for the Computing field.	Trained Aware Aware Trained Aware	> PoE > Certifications/CV > Customer feedback at work > PoE
	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 Aware	> PoE > PoE > PoE
<u>Legal and Ethical</u>	Ethical Awareness	Comply with the letter and spirit of applicable laws Maintain privacy and confidentiality of company, co-worker and customer information	Proficient Proficient	> PoE > PoE
<u>Teamwork</u>	Cultural Awareness	Act in the best interest of the community at large - Social (Community) Responsibility	Proficient	> Working in critical services environment
	Teamwork, Leadership and Resilience, Time	Collaborate effectively in diverse teams to achieve team goals Meeting team objectives using teamwork skills	Proficient Proficient	> PoE and Employment history > PoE and Employment history

<u>Social (inc. T</u>	Resilience, Time Management	Demonstrate skills in leadership and team building	Proficient	> PoE and Employment history
		Give and receive constructive feedback	Proficient	> PoE and Employment history
	Creativity, Entrepreneurial, Problem solving, Initiative, Decision	Create, discuss and deliver strategies for sustainability for all stakeholders (company, community and environment)	Proficient	> PoE
		Able to make a decision on a complex matter/scenario using multiple sources of information	Proficient	> PoE
<u>Technical (Data Science)</u>	IT and Digital, Numeracy	<i>Technical skills relevant to your degree programme:</i>		
		SQL for database querying	Trained	> PoE
		Python Programming	Proficient	> PoE
		Java		
		Python	Proficient	> PoE
		noSQL	Aware	> PoE
		Scripting Language (Python)	Proficient	> PoE
		Statistical Language (R)		
		Gits - repository development and maintenance	Proficient	> PoE
<u>Subject Application</u>	Global Citizen, Teamwork, Leadership, Emotional	Take into account other people's perspectives	Proficient	
		Work constructively with differences in viewpoints	Proficient	
		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	

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.