

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	Participated in presentations during my course of study. Also, I was able to prepare user guides for an information system that I participated in Prepared several documents like that during my course of study. Examples are listed here: 1,2,3	
		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.	Aware Proficient Aware Aware Trained	During my current work on a digitalization project at the dental school Participated in collaborative discussions that discussed the code of conduct
			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...	Trained Trained
	Explore complex real-world problems in a Computing context			Trained	Literature review and research proposal preparations
	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	Aware Aware	During my current work at the dental school
			Social (inc. Teamwork)	Cultural Awareness	Act in the best interest of the community at large - Social (Community) Responsibility
	Teamwork, Leadership and Resilience, Time Management	Collaborate effectively in diverse teams to achieve team goals Meeting team objectives using teamwork skills Demonstrate skills in leadership and team building Give and receive constructive feedback		Trained Trained Trained	Team project that was completed successfully during the Secure Software Development Course
		Creativity, Entrepreneurial, Problem solving, Initiative, Decision Making		Create, discuss and deliver strategies for sustainability for all stakeholders (company, community and environment) Able to make a decision on a complex matter/scenario using multiple sources of information	Proficient Trained
	Technical (Data Science)		IT and Digital, Numeracy	<i>Technical skills relevant to your degree programme:</i> SQL for database querying Python Programming Java Python noSQL Scripting Language (Python) Statistical Language (R) Gits - repository development and maintenance Use of conferencing technologies and Moodle (VLE) Use of Word Processing tools and Spreadsheets Effective use of e-library resources	Trained Proficient Trained Trained Aware Aware Trained Proficient Proficient Proficient
Global Citizen, Teamwork, Leadership, Emotional Intelligence		Take into account other people's perspectives Work constructively with differences in viewpoints Actively participate in a range of community activities as an informed citizen		Aware Aware Aware	Worked on a digitalization project at current work in the dental school where I managed to reach to a common structure that satisfied most of users Shared a code with a colleague and on GitHub to help in merging excel sheets to enhance productivity for non profit purposes
		Decision Making, Initiative, Emotional Intelligence, Ethical Awareness		Develop, articulate and clarify your personal values and ethics	Aware

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.

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