

| 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 | Main part of my employment Main part of my employment |
| | 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 Expert Aware Trained Trained | Delivering training to rest of my team during work away days |
| | 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 Trained Trained | |
| <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 | Discussion forums - Research Methods Discussion forums - Research Methods |
| <u>Social (inc. Teamwork)</u> | Cultural Awareness | Act in the best interest of the community at large - Social (Community) Responsibility | Trained | |
| | 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 | Proficient Proficient Proficient Proficient | Groupwork in Machine Learning Module Groupwork in Machine Learning Module Groupwork in Machine Learning Module Groupwork in Machine Learning Module |

| | | | | |
|--|---|---|--|--|
| | 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 | Trained Trained | |
| <u>Technical (Data Science)</u> | IT and Digital, Numeracy | <i>Technical skills relevant to your degree programme:</i> SQL for database querying 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 | Aware Trained Trained Trained Proficient Proficient Proficient | |
| <u>Subject Application</u> | 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 | Trained Trained Aware | |
| | Decision Making, Initiative, Emotional Intelligence, Ethical Awareness | Develop, articulate and clarify your personal values and ethics | Trained | |

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.