



MSc Artificial Intelligence and Data Science Programme Specification

Awarding Body	Northeastern University - London
Teaching Institution	Northeastern University London
Apprenticeship Standard	Artificial Intelligence (AI) Data Specialist ST0763
Relevant QAA Benchmark Statement	Computing (October 2019); Mathematics, Statistics and Operational Research (October 2019)
HECoS Code	100367 100078 100403
QAA Framework for Higher Education Qualification Level	Masters Level 7
Final Award	MSc Artificial Intelligence and Data Science
Exit Awards	Postgraduate Certificate Artificial Intelligence and Data Science Postgraduate Diploma Artificial Intelligence and Data Science
Programme Code	NCHAIDSPGDA
Approved Start Dates	April 2021
Language of Instruction	English
Language of Assessment	English
Mode of Study	Part-time blended learning; work-based learning
End point assessment	Non-integrated (180 credits)
End point assessment organisations	TBA
Approval effective from	March 2021
Re-approval due	March 2026

Programme Overview

The MSc Artificial Intelligence and Data Science is a work related learning postgraduate programme that integrates academic learning at masters degree level with on-the-job practical training to provide a holistic programme of education and training to meet the advanced skills needs of employers now and in the future.

This Masters Degree work-based learning programme will develop professional practice, contextualised in the workplace using industry standard technologies and

approaches that are shaped by modern businesses.

Learners may study the programme as an *apprenticeship* or *non-apprenticeship*. The programme is identical for both streams, only differing in that the apprenticeship stream will receive an additional apprenticeship completion certificate. For both streams, the learner must be in employment, or be sponsored by an employer, with duties aligned to the advanced application of artificial intelligence (AI) and data specialisms within a business context.¹

The Learner will study with Northeastern University London (Provider) for approximately 49 days in the first year (one day per week for 44 weeks and one five day bootcamp) and for approximately 33 days in the second year (one day per week for 28 weeks and one five day bootcamp).

Additionally, the learner and employer will commit to a further two days per week, for provider-guided work-based training. The MSc award is 180 credits and learners will be considered part-time learners by Northeastern University London. Each course, typically 15 credits, is assessed by a range of activities aligned to industry norms, i.e. almost all assessments relate to workplace activities that are expected in an AI and data related occupation. The content, and consequently the learning outcomes and methods of assessment, vary between courses. Where possible, assessments will be undertaken in the workplace.

The programme begins with 'Programming for Data Science' that focuses on programming principles and practice for data science applications. It is fast-paced, accelerating the learner from fundamental programming principles to applied data science tasks.

This is followed by 'Data Driven Analytics' that systematically explores the modern data science workflow with an emphasis on scalable, high-performance architectures for big data storage and analytics.

Next, the programme considers 'Advanced Statistical and Mathematical Methods' laying the mathematical foundations for the proceeding technical courses.

This is followed by 'Stakeholders, Negotiation and Project Management' that develops the tools and methodologies required to be an effective change agent within a modern business before putting theory into practice in 'Applied Machine Intelligence', in which learners investigate how to use AI and machine learning methodologies.

¹ A learner must be in a role that provides the opportunities to gain the knowledge, skills and behaviours needed to achieve their apprenticeship; i.e. a pathway to a competent Artificial Intelligence (AI) Data Specialist. AI Data Specialists discover and devise new data-driven AI solutions to automate and optimise business processes and to support, augment and enhance human decision-making. AI Data Specialists carry out applied research in order to create innovative data-driven AI solutions to business problems within the constraints of a specific business context. They work with datasets that are too large, too complex, too varied or too fast, that render traditional approaches and techniques unsuitable or unfeasible.

The programme then considers 'Communication in Business', exploring a range of communication methods used in business and the digital sector, including technology roadmaps, business reports, digital solution documentation and management-level presentations.

Learners then explore 'Data Engineering' where they examine engineering principles to investigate and manage the design, development and deployment of new data products within business.

This is followed by 'The Social Context of AI and Data Science', where learners gain a critical understanding of how these technologies present ethical questions that require a deep understanding both of the detailed context of application, and of pertinent philosophical questions.

The taught programme concludes with an 'AI Capstone Project', which is conceived and executed by the learner in their workplace. This will demonstrate a professional-level of technical and analytical skill, aligned to achieving organisational goals and enabling effective institutional change.

Dedicated Apprenticeship Advisors will undertake regular workplace visits (approximately every six/eight weeks) and provide supplementary support.

Structure of the MSc Artificial Intelligence and Data Science

Optional 'work ready bootcamp' (0 credits)

Compulsory Courses (Level 7)

NCHNAP782 Programming for Data Science (15 credits)

NCHNAP783 Data Driven Analytics (30 credits)

NCHNAP784 Advanced Statistical and Mathematical Methods (15 credits)

NCHNAP785 Applied Machine Intelligence (30 credits)

NCHNAP786 Stakeholders, Negotiation and Project Management (15 credits)

NCHNAP787 Communication in Business (15 credits)

NCHNAP788 Data Engineering (15 credits)

NCHNAP789 The Social Context of AI and Data Science (15 credits)

Project background and design bootcamp (0 credits)

NCHNAP790 AI Capstone Project (30 credits)

Entrance Requirements

The learner will need to be in employment with, or sponsored by, a hiring business, with responsibilities to be aligned to the Level 7 Artificial Intelligence and Data Science Apprenticeship.

Entry requirements are agreed then set, based on numerous factors including availability of additional on-the-job support, by both the Employer/Sponsor and Provider. As such, entrance requirements may vary. Learners are selected based on their application and an assessment process, which is tailored to the learner's work-based learning position.

Typically, employers require:

- A first class, 2:1 or 2:2 degree level award in a STEM subject
- At least Grade 4/C GCSE Maths, English and IT

Some applicants may not have traditional qualifications as listed above, and have prior learning and skills developed from the workplace, these will be considered on a case-by- case basis.

Learners will also need to meet the government's eligibility criteria:

- Have been a UK/EU/ESS resident for the past three years or more prior to starting the programme.
- Have left full-time education prior to the start date of the apprenticeship.
- Be aged at least 16 years old to meet government funding criteria.

Recognition of Prior Learning

For the apprenticeship stream, where a learner is eligible to apply for the recognition of prior learning on the basis of certificated or experiential learning, this will be considered in the Initial Needs Analysis, as per Education Skills and Funding Agency (ESFA) Funding Rules, and will take due consideration of the Northeastern University London's [Recognition of Prior Learning and Credit Transfer Policy](#).

Aims of the Programme

The overall aim of the programme is to:

- Offer specialist postgraduate study that underpins the Level 7, Artificial Intelligence (AI) Data Specialist apprenticeship.
- Offer a programme of study that meets the needs and expectations of businesses and organisations and supports the career development of AI and data science professionals.
- Provides flexible access to a structured learning experience that is designed to support the acquisition of advanced skills within a range of organisations and businesses.

- Support the development of specialist AI and data science skills that will be valued and supported within professional work-based contexts.
- Place the advanced study of AI and data science within a specialist framework that provides learners with specific, contextual and transferable knowledge and skills.
- Develop an advanced understanding of the key principles, theories and technologies that support the professional practice of AI and data science.
- Provide learners with a rich academic experience that encourages the integration of theory and practice within the workplace.
- Instil a strong professional approach that promotes independence of thought, empathy and a critical awareness of ethical, legal and social issues related to AI and data science.
- Encourage and support a raft of advanced attributes including, independence, project management and critical self-reflection.
- Blend the development of advanced mathematical, computing and technical understanding with a raft of related transferrable skills that enable learners to develop their careers and operate successfully as AI and data science specialists within a range of professional contexts.

Programme Learning Outcomes

Knowledge and Understanding

A learner will be able to:

- K1d Comprehensively understand the statistical and mathematical foundations, and have advanced practical knowledge, of AI and machine learning methodologies applied to complex datasets to meet business objectives.
- K2d Comprehensively understand and have advanced knowledge of data storage, data analysis, high-performance architectures, programming languages and data engineering to deliver robust and scalable solutions for business needs.
- K3d Systematically understand how to communicate, manage, influence and negotiate with a wide-range of stakeholders and team members to drive AI and data projects forward.
- K4d Systematically understand and critically evaluate the social, ethical, regulatory and legal frameworks and questions that AI and data science present by exploring the detailed context of their application, and the philosophical ideas that relate to their use.

Subject Specific Skills

A learner will be able to:

- S1d Select, evaluate and apply an appropriate range of advanced computational, mathematical, statistical, analytical, problem solving skills and the scientific method to solve complex AI and data problems for business.
- S2d Identify and creatively apply appropriate data engineering tools and techniques, software engineering frameworks, on premise and cloud platform technology, project delivery techniques and collaborative working to achieve organisational goals.
- S3d Identify and apply appropriate programming languages and algorithms and develop robust, scalable models for data manipulation, analysis and visualisation. Review and engage in research at the forefront of AI and data science and synthesise results to address business needs and effect technological change.
- S4d Critically evaluate ethical, cultural and philosophical ideas about AI and Data. Find, present, communicate and disseminate outputs effectively, tailoring the message for both specialist and non-specialist audiences.

Transferable and Professional Skills (Behaviours)

A learner will be able to:

- T1d Exercise an inquisitive and creative approach to solutions with the curiosity to explore and rigorously analyse, pose questions and identify opportunities, with the tenacity to review established techniques applied to research and improve methods and maximise insights.
- T2d Use advanced communication, project management and team-working skills, professionalism, empathy and positive engagement in the workplace; championing and highlighting ethics and diversity.
- T3d Have an accurate, impartial, scientific, rigorous, hypothesis-driven approach to work. Demonstrate professional integrity when developing and presenting AI and data solutions.
- T4d Keep up to date with current thinking and ideas at the forefront of discipline, maintaining a high standard of professional development and initiative.

All of the above learning outcomes are mapped to the relevant QAA Level 7, FHEQ and [Apprenticeship Standard](#).

Map of courses to learning outcomes

FHEQ Level 7	Knowledge and Understanding				Subject Specific Skills				Transferable Skills			
	K1d	K2d	K3d	K4d	S1d	S2d	S3d	S4d	T1d	T2d	T3d	T4d
Programming for data science	X	X	X		X	X	X		X		X	X
Data driven analytics	X		X	X	X	X	X		X	X	X	
Advanced statistical and mathematical methods	X	X		X	X	X	X		X	X		X
Stakeholders, negotiation and project management	X	X	X		X	X	X		X		X	X
Applied machine intelligence	X	X		X	X	X	X		X	X	X	
Communication in business	X	X	X		X	X		X	X	X	X	
Data engineering	X	X	X		X	X			X		X	X
The social context of ai and data science	X		X	X	X		X	X	X	X	X	
AI capstone project	X	X			X	X	X			X	X	

Teaching and Learning Strategies

Strategies

The work-based learning programme is studied through blended work-based learning, over a 21 month period, and is delivered through the online interactive virtual learning environment (VLE).

The achievement of the Programme Learning Outcomes is supported primarily through an extensive range of e-learning interactions and materials. Delivery methods include:

- Lectures (synchronous face-to-face or via over the web technology, and asynchronous pre-recorded)
- Seminars for small group discussion (including online discussion)
- Informal discussion groups (including online discussion)
- Assessments
- Links to related reading material
- Individual learning plans (ILP)
- Online presentations/animations
- Participation in online forums
- Independent study and research
- Final project

Regular in-depth formative feedback is provided to the learner, with advice and guidance to support their achievement in summative assessments. The programme aims to progressively enhance AI and data science knowledge and skills - as well as maths, English and communication skills - as they practice and apply their knowledge and skills in the workplace. Regular tri-partite reviews between the learner, their Apprenticeship Advisor (provider) and workplace line manager (employer/sponsor) formally monitor and evaluate the learner's progress.

The blended-learning work-based programme ensures that learners have the opportunity to explore their subject in a structured, well-managed and appropriate manner. It develops the knowledge, core and subject-specific skills, and transferable skills, required by learners and enhances their confidence to apply these within a professional environment. The combination of academic study and work-based learning is a key feature of the apprenticeship. Practical and theoretical experiences in the workplace, in tandem with their academic studies, develop and enhance the learner's specialist knowledge, skills and behaviours.

Assessment tasks mix written assignments with set exercises, computer-based examination and technical tasks to provide opportunity for learners to demonstrate

their learning in a variety of ways and to support professional practices within the workplace.

Learners are also supported to acquire and practice a wide range of transferable skills. These include problem solving, analysis, strategic thinking and interpersonal and communication skills. Learners will be effective collaborators within their work environments and fully participate in the presentation of work during their studies. Importantly, they are also encouraged to balance these cooperative interpersonal skills with advanced levels of responsibility and self-development within the apprenticeship. These graduate qualities are supported throughout the apprenticeship from an initial rigorous non-credit one-week block of classroom teaching (bootcamp), that includes the core computing and business skills needed to become an effective team member in the workplace, as well as an introduction to the demands and challenges of the apprenticeship, advanced study skills and needs/expectations of employers.

Induction for all new learners includes a welcome to Northeastern University London by the Assistant Vice President for Digital Innovation & Enterprise Learning; introduction to key personnel including [Student Support and Development](#) (SSD); the Programme Leader; Course Leaders; and Apprenticeship Advisers to introduce learners to the programme they are about to embark upon. There are also sessions on library services, IT and facilities, and an induction from the Quality Team.

The programme is designed to progress steadily over 21 months and develop learners' conceptual sophistication through cumulative experience and knowledge. The final project will allow learners to develop their thinking in collaboration with an academic supervisor.

Northeastern University London recognises and has embedded the expectations of current equality legislation, by ensuring that the programme is as accessible as possible by design.

Additional alternative arrangements for learners with Inclusive Learning Plans (InCLPs)/declared disabilities will be made on an individual basis, in consultation with the relevant policies and support services.

Applicants with a disability are encouraged to declare their disability during the application process under the Initial Needs Analysis. Once declared, SSD will work with the learner to agree a support plan for the duration required. This plan will form part of the Commitment Statement and will be reviewed at the tri-partite reviews every six/eight weeks to confirm that this support is effective.

SSD facilitates all academic and learner services and oversees learner wellbeing; careers advice is provided for learners via Northeastern University London Careers Team.

Assessment

Course are assessed in a variety of ways including:

Formative

- Tests or quizzes
- Essays or reports
- Short answers and problem sets
- Oral presentations

Summative

- Computer-based examination
- Written assignment
- Report
- Dissertation
- Practical skills assessment
- Oral assessment
- Presentation
- Set exercise

[Appendix C](#) contains the programme structure and assessment summary.

Assessment Regulations

The assessment regulations can be found on the Northeastern University London [website](#).

Awards

This programme is studied over 21 months as a blended, work-based, learning programme, whereby the learner will study with the provider for approximately 49 days in the first year (one day per week for 44 weeks and one five-day bootcamp) and for approximately 33 days in the second year (one day per week for 28 weeks and one five-day bootcamp). This is termed 'off-the-job' training. Additionally, the learner and employer will commit to a further two days per week, for 44 weeks in the first year and 28 weeks in the second year, for provider-guided work-based tasks and training. The 21-month programme is worth 180 credits (= 1800 hours of learning time), comprising multiple courses. This allows for six weeks of annual leave

in the first year and four weeks of annual leave in the second year (over the remaining nine months).

The final 30 credits (= 300 hours of learning time) will comprise the workplace project, spanning 12 weeks.

Learners must complete the required amount of off the job training hours which equates to 6 hours per week on average for those who work at least 30 hours per week. The total hours required is calculated by the number of practical training weeks of the course x 6 hrs. Learners must complete the minimum required hours to complete the apprenticeship.

Learners must successfully complete each course in order to be awarded the specified number of credits for that course. One credit corresponds to approximately ten hours of 'learning time' (including all online and face-to-face delivery, all private study and research, and relevant aspects of on-the-job learning). Thus obtaining 180 credits requires 1800 hours of overall learning time.

All courses are compulsory and must be successfully taken by all learners studying the programme and learners must attend face-to-face courses/bootcamps.

To be eligible for the award of a MSc Artificial Intelligence and Data Science learners must obtain 180 credits, all at level 7.

Learners will achieve 105 credits in calendar year 1 and 75 credits in calendar year 2, totalling 180 credits.

Learners who achieve 60 credits at level 7 will be eligible for the award of a Postgraduate Certificate Artificial Intelligence and Data Science.

Learners who achieve 120 credits at level 7 will be eligible for a Postgraduate Diploma Artificial Intelligence and Data Science.

Where a learner fails a course(s) due to illness or other mitigating circumstances, such failure may not be compensated or condoned.

The grading of the MSc degree award is made up of the AI Capstone Project assessment together with numerous course assessments.

Classifications

Learners are graded using postgraduate degree classifications for English universities, and following the QAA (Quality Assurance Agency for Higher Education) Code of Practice for the Assurance of Academic Quality and Standards in Higher Education. The NCH postgraduate award grading regulations are shown below:

Distinction		Merit		Pass		Fail	
100	Highest possible distinction	68	High merit	58	High pass	48	High fail
90	Extremely high distinction	65	Mid merit	55	Mid pass	42	Mid fail
85	Very high distinction	62	Low merit	52	Low pass	35	Clear fail
80	High distinction					20	Fail
75	Mid distinction					5	Almost no attempt
72	Low distinction					0	No attempt Late submission

Exemptions from Northeastern University London Academic Quality Framework

None

Special Provisions for Professional Statutory and Regulatory Body

None

Quality Evaluation and Enhancement

Review and Evaluation Mechanisms

Northeastern University London has robust procedures, as described in [AQF4 Programme and Course Approval and Modifications](#) and [AQF5 Annual Monitoring and Reporting](#), in place to assure the quality of the programme's development, delivery, and management, alongside the systematic monitoring, ongoing review and enhancement of all programmes awarded by Northeastern University London. Enhancements are made as necessary to ensure that systems remain effective and rigorous.

Northeastern University London utilises constructive feedback from a variety of sources, internal and external, to inform its decision-making process to enhance the programme and the learner experience. These feedback sources include:

- Annual programme reports, written by the Programme Director, are prepared in order to enhance individual programmes and to plan ahead.
- Annual Examiner reports are prepared by independent External Examiners to confirm that a programme has been assessed in accordance with the approved documentation and that the learner performance meets the appropriate academic standards.
- Education and Skills Funding Agency Employer and Apprentice surveys.
- Formal learner feedback mechanisms consist of course and programme learner satisfaction questionnaires and Apprentice Voice Committee.
- Informal learner feedback is also valued by Northeastern University London and this can take the form of learners talking to their Apprenticeship Advisor (which incorporates the personal tutor role), Lecturers, professional staff, or elected learner representative.

In addition to academic progress monitoring, progression also includes checking that the learner is achieving planned levels of off-the-job learning required by the apprenticeship as set out in the Commitment Statement. This six/eight-weekly discussion between the Apprenticeship Advisor, line manager and learner will also confirm whether the learner is keeping pace with their plan of learning at work, and is meeting the competency progression points as part of their apprenticeship.

Learner attendance at scheduled learning opportunities, as well as monitoring periods of off- the-job training, is monitored through the use of an online Learner Management System.

About this Document

Title: MSc Artificial Intelligence and Data Science Approved by: Academic Board Location: Academic Handbook/programme specifications and handbooks/ apprenticeship programme specifications/postgraduate apprenticeship					
Version number	Date approved	Date published	Owner	Proposed next review date	Modification (As per AQF4) & category number
2.0	October 2022	November 2022	Professor Scott Wildman	March 2026	Category 2: Regulatory change Category 1: Corrections/clarifications to documents which do not change approved content or learning outcomes
1.2	September 2021	September 2021	Professor Scott Wildman	March 2026	Category 1: administration correction
1.1	April 2021	April 2021	Professor Scott Wildman	March 2026	Category 1: administration correction
1.0	March 2021	April 2021	Professor Scott Wildman	March 2026	
Referenced documents	Recognition of Prior Learning and Credit Transfer Policy; AQF4 Programme and Course Approval and Modifications; AQF5 Annual Monitoring and Reporting; AQF7 Academic Regulations for Degree Apprenticeships				
External Reference Point(s)	Artificial Intelligence Data Specialist ST0763; Computing (October 2019); Mathematics, Statistics and Operational Research (October 2019); Education Skills and Funding Agency (ESFA) Funding Rules; Institute for Apprenticeships & Technical Education Assessment Plan; QAA (Quality Assurance Agency for Higher Education) Code of Practice for the Assurance of Academic Quality and Standards in Higher Education				

Disclaimer

Northeastern University London has checked the information provided in this Programme Specification and will aim to deliver this programme in keeping with this Programme Specification.

However, changes to the programme may sometimes be required arising from annual monitoring, learner feedback, and the review and update of courses and programmes. Where this activity leads to significant changes to courses and programmes there will be prior consultation with students and others, wherever possible, and Northeastern University London will take all reasonable steps to minimise disruption to students. It is also possible that Northeastern University London may not be able to offer a course or programme for reasons outside of its control, for example, due to the absence of a member of staff or low learner registration numbers. Where this is the case, Northeastern University London will aim to inform applicants and students as soon as possible, and where appropriate, will facilitate the transfer of affected learners to another suitable programme.

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Appendix A – Map to QAA Level 7, Masters Degree Descriptor

Expectations	Learning Outcome
A systematic understanding of knowledge, and a critical awareness of current problems and/or new insights, much of which is at, or informed by, the forefront of their academic discipline, field of study or area of professional practice.	K1-4 S1-4
A comprehensive understanding of techniques applicable to their own research or advanced scholarship.	K1-4 S1-4
Originality in the application of knowledge, together with a practical understanding of how established techniques of research and enquiry are used to create and interpret knowledge in the discipline.	K1-4
Conceptual understanding that enables the student: to evaluate critically current research and advanced scholarship in the discipline, to evaluate methodologies and develop critiques of them and, where appropriate, to propose new hypotheses.	K1-4 S1-4
Deal with complex issues both systematically and creatively, make sound judgements in the absence of complete data, and communicate their conclusions clearly to specialist and non-specialist audiences.	S1-4 B1-4
Demonstrate self-direction and originality in tackling and solving problems, and act autonomously in planning and implementing tasks at a professional or equivalent level.	B1-4 S1-4
Continue to advance their knowledge and understanding, and to develop new skills to a high level.	B1-4 S1-4
The qualities and transferable skills necessary for employment requiring: the exercise of initiative and personal responsibility decision-making in complex and unpredictable situations the independent learning ability required for continuing professional development.	B1-4

QAA benchmark statements can be found [here](#).

Appendix B – Map to Apprenticeship Standard

	Course name								
	PD S	DR A	ASM M	AM I	SNP M	CB	DE	SCAID S	AIC P
Knowledge									
1	X			X				X	X
2		X		X					
4			X	X					X
4		X					X		
5	X	X		X			X		X
6					X		X		X
7				X			X		
8				X				X	
9							X	X	
10					X				X
11				X			X	X	
12								X	
13			X	X			X		X
14					X		X		X
15	X						X		
16		X		X			X		
17				X				X	
18	X						X		
19			X	X					
20		X		X					
21					X		X		
22			X	X					
23			X	X					X
24		X		X					
25	X						X		
26				X					X
27	X						X		
28						X			X
29					X	X			
Skills									
1		X					X		
2				X	X				X

	Course name								
	PD S	DR A	ASM M	AM I	SNP M	CB	DE	SCAID S	AIC P
3		X		X			X		X
4					X	X			X
5					X	X			X
6		X		X			X	X	
7						X			X
8					X				
9		X		X					X
10		X		X					X
11			X	X					X
12		X		X				X	
13		X		X			X		
14						X	X		
15							X		X
16		X					X		
17		X					X		X
18		X							X
19		X					X		
20	X			X			X		
21		X		X					
22		X							X
23						X		X	
24					X				X
25	X								X
26		X		X					
27					X				X
28					X	X			
Behaviours									
1	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X
3								X	X
4	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X
7						X		X	
8								X	X

Appendix C – Programme Structure and Summative Assessment Summary

Code	Order	Course Title	Credits	Type	Mode	Assessment Weighting % & Activity Type (code overleaf)					
						AE1	Activity type	AE2	Activity type	AE3	Activity type
NCHNAP782	1	Programming for Data Science	15	C	DL/ WB	60%	Pract	40%	R	-	-
NCHNAP783	2	Data Driven Analytics	30	C	DL/ WB	40%	A	40%	Pract	20%	CBEx
NCHNAP784	3	Advanced Statistical and Mathematical Methods	15	C	DL/ WB	50%	Set	50%	R	-	-
NCHNAP786	4	Stakeholders, Negotiation and Project Management	15	C	DL/ WB	50%	Set	50%	A	-	-
NCHNAP785	5	Applied Machine Intelligence	30	C	DL/ WB	30%	A	30%	Set	40%	Pract
NCHNAP787	6	Communication in Business	15	C	DL/ WB	50%	A	50%	Oral	-	-
NCHNAP788	7	Data Engineering	15	C	DL/ WB	50%	A	50%	R	-	-
NCHNAP789	8	The Social Context of AI and Data Science	15	C	DL/ WB	50%	A	50%	A	-	-
NCHNAP790	9	AI Capstone Project	30	C	DL/ WB	70%	Diss	30%	Oral	-	-

Course Type: C = Core; O = Option

Course Mode: CD = Campus Delivery; BK = Block Delivery; BL = Blended Learning; DL = Distance Learning and Self-Directed Learning; EL = E-Learning; EX = Experiential; PL = Placement; WB = Work Based Learning

Assessment Weighting:

AE1 = Assessment Element 1;

AE2 = Assessment Element 2;

AE3 = Assessment Element 3;

Assessment Activity Type	Code
Written exam	Exam
Computer-based exam	CBEx
Written assignment	A
Report	R
Dissertation	Diss
Portfolio	F
Project output (other than dissertation)	P
Oral assessment and presentation	Oral
Practical skills assessment	Pract
Set exercise	Set