1 The Graduate

Family Name	**Manral**
Given Name(s)	**Rohit**
Student Number	**45710864**

2 The Award

Master of Data Science

Detail

The Master of Data Science is a postgraduate coursework degree consisting of a minimum of 160 credit points, taught in English, which normally takes two years of full-time study or part-time equivalent. Admission requirements are normally tertiary qualifications or equivalent.

Qualification Level

9

3 Awarding Institution

Macquarie University is a dynamic and flexible university committed to excellence in research, teaching and community engagement. The University was established by an Act of the New South Wales Parliament in 1964 and is listed as an Australian University on the Tertiary Education Quality and Standards Agency's National Register of Higher Education Providers.
For more information about Macquarie University visit www.mq.edu.au

CRICOS Provider No 00002J

Certification

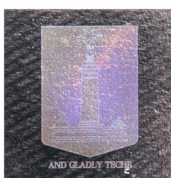Date: 7 April 2022

Professor Marie E. Herberstein

Registrar

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4 Graduate's Academic Achievements

Award Details

Master of Data Science

Awarded on 07-Apr-2022

		Grade	Mark	Cr Pts Gained
2019				
ITEC657	Data Science	Cr	74	10
ITEC874	Big Data Technologies	HD	87	10
STAT670	Introductory Statistics	HD	85	10
STAT683	Introduction to Probability	Cr	69	10
2020				
COMP8220	Machine Learning	HD	85	10
COMP8230	Mining Unstructured Data	D	83	10
COMP8240	Applications of Data Science	D	81	10
STAT6110	Statistical Inference	D	84	10
STAT6180	Applied Statistics	HD	90	10
STAT8111	Generalized Linear Models	D	75	10
STAT8121	Multivariate Analysis	D	75	10
STAT8123	Statistical Graphics	Cr	71	10
2021				
COMP8790	Strategic Project Management	HD	85	10
COMP8851	Major Project	HD	86	20
STAT8178	Modern Computational Statistical Methods	P	57	10

Key To Grading

Grade		Mark*
HD	High Distinction	85-100
D	Distinction	75-84
Cr	Credit	65-74
P	Pass	50-64
S	Satisfactory (ungraded Pass)	no Mark
F	Fail	no Mark
SC	Special Circumstance	no Mark

* 1. From 2020 "Standardised Numerical Grade" replaced by "Mark"
  2. From 2011 Grade PC is no longer awarded. For further information visit www.goto.mq.edu.au/transcript

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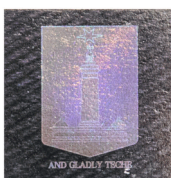
5 Description of the Australian Higher Education System

Introduction

The Australian higher education system consists of self-governing public and private universities and higher education institutions that award higher education qualifications.

The Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools.

The AQF has 10 levels, each with defined criteria based on a taxonomy of learning outcomes. Higher education qualifications are placed between level 5 (the Diploma) and level 10 (the Doctoral Degree). The Bachelor Degree is at level 7. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of the knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type. The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

The main AQF qualifications awarded by higher education institutions are Bachelor Degrees, Masters Degrees and Doctoral Degrees. There are also three qualifications at the sub-degree level: the Diploma, the Advanced Diploma and the Associate Degree. At the graduate level but below the Masters Degree are the Graduate Certificate and Graduate Diploma. The Undergraduate Certificate, which was added to the AQF in 2020, is a higher education qualification that is not allocated to a single AQF level, but recognises completion of a short course, equivalent to half a year's study (0.5 Equivalent Full Time Study Load) toward an existing qualification at AQF level 5, 6 or 7.

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Level	Qualification Type	Summary
-	Senior Secondary Certificate of Education	Graduates with this qualification will have knowledge, skills and values for diverse pathways to further learning, work and effective participation in civic life
Level 1	Certificate I	Graduates at this level will have knowledge and skills for initial work, community involvement and/or further learning
Level 2	Certificate II	Graduates at this level will have knowledge and skills for work in a defined context and/or further learning
Level 3	Certificate III	Graduates at this level will have theoretical and practical knowledge and skills for work and/or further learning
Level 4	Certificate IV	Graduates at this level will have theoretical and practical knowledge and skills for specialised and/or skilled work and/or further learning
Level 5	Diploma	Graduates at this level will have specialised knowledge and skills for skilled/paraprofessional work and/or further learning
Level 6	Advanced Diploma Associate Degree	Graduates at this level will have broad knowledge and skills for paraprofessional/highly skilled work and/or further learning
Level 7	Bachelor Degree	Graduates at this level will have broad and coherent knowledge and skills for professional work and/or further learning
Level 5-7	Undergraduate Certificate*	Graduates with this qualification will have foundational knowledge and skills for further study, professional upskilling, work and participation in lifelong learning.
Level 8	Bachelor Honours Degree Graduate Certificate Graduate Diploma	Graduates at this level will have advanced knowledge and skills for professional highly skilled work and/or further learning
Level 9	Masters Degree	Graduates at this level will have specialised knowledge and skills for research, and/or professional practice and/or further learning
Level 10	Doctoral Degree	Graduates at this level will have systematic and critical understanding of a complex field of learning and specialised research skills for the advancement of learning and/or for professional practice

* As at the publication of this document, the Undergraduate Certificate qualification type must not be issued after 31 December 2021. Undergraduate Certificates that have been issued prior to this date will continue to be recognised as valid AQF qualifications.

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Admission

Requirements for admission to particular awards are set by higher education institutions and provide a range of routes for entry and only admit those students considered to have potential to complete an award successfully. Admission of school leavers to undergraduate awards is typically on the basis of the level of achievement in Year 12 secondary education, although some institutions and awards also use interviews, portfolios or demonstrated interest or aptitude. Most institutions also provide alternative entry provisions via bridging or foundation programs for mature age students or other special provisions, such as recognition of prior learning from previous study. Admission to post-graduate awards is generally based on the level of achievement in previous higher education studies and in most cases, admission to PhD awards is based on high achievement in a research Masters Degree or in a Bachelor Degree with first class honours or second class honours division A.

Quality

Quality assurance and stringent approval requirements for higher education institutions ensure that Australia has an international reputation for high quality education.

The Tertiary Education Quality and Standards Agency (TEQSA) was established on 30 July 2011 as a new national regulator and quality assurance agency for higher education. TEQSA is an independent body with the powers to regulate university and non-university higher education institutions and monitor quality against standards. Its purpose is to protect student interests and the reputation of Australia's higher education sector through a proportionate, risk-reflective approach to quality assurance that supports diversity, innovation and excellence.

From 29 January 2012 TEQSA assumed responsibility for registering and re registering providers and accrediting and re-accrediting awards for higher education providers that do not have authority to accredit their own awards. At the time of registration, re-registration, accreditation and/or re-accreditation, TEQSA evaluates the performance of a higher education provider against the Higher Education Standards Framework. The framework specifies the minimum standards that all higher education providers must meet and continue to meet in order to remain registered.

TEQSA also monitors provider risks and performance and identifies good practice to support continuous improvement within the sector, guide sectoral quality enhancement and inform policy and research.

The Higher Education Standards Panel, which is independent from TEQSA, is responsible for advising the Minister for Education and TEQSA on the development, monitoring and interpretation of the Higher Education Standards Framework.

All higher education institutions receiving Australian Government financial support must meet quality and accountability requirements that are set out in the Higher Education Support Act 2003. The Australian Government also uses a range of tools to measure and monitor the quality of outcomes, while the interests of international students are protected by the Education Services for Overseas Students Act 2000 and the Commonwealth Register of Institutions and Courses for Overseas Students (CRICOS), providing tuition assurance and ensuring that institutions listed on CRICOS meet defined minimum standards.

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