The University Of Sheffield.

Higher Education Achievement Report.

This Higher Education Achievement Report incorporates the model developed by the European Commission, Council of Europe and UNESCO/CEPES for the Diploma Supplement. The purpose of the Supplement is to provide sufficient recognition of qualifications(diplomas, degrees, certificates etc). It is designed to provide a description of the nature, level, context and status of the studies that were pursued and successfully completed by the individual named on the original qualifications to which this Supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

In hard copy format this Higher Education Achievement Report is printed in black ink on paper watermarked with the crest of the University and carries the official University stamp. It is not valid unless in this format.

1. Information identifying the holder of the qualification

1.1 Family name(s):	**Drayton**
1.2 Given name(s):	**Thomas Mutombi**
1.3 Date of birth (day/month/year):	04 Mar 1997
1.4 Student identification number or code:	University of Sheffield Registration Number: 150150240 HUSID:* 1511590032063

*HUSID (HESA Unique Student Identifier) is the unique national identifying number for students registered at a UK university. It is defined by HESA, the UK's Higher Education Statistics Agency.

2. Information identifying the qualification

2.1 Name of qualification and (if applicable) title conferred:	**Master of Engineering (MENG)** The power to award degrees is regulated by law in the UK.
2.2 Main field(s) of study for the qualification:	**Aerospace Engineering with a Year in North America**
2.3 Name and status of awarding institution(s):	The University of Sheffield, a university established by Royal Charter in 1905, and a recognised body for the award of undergraduate and postgraduate degrees.
2.4 Name and status of institution(s) (if different from 2.3) administering studies:	The University of Sheffield (as above)
2.5 Language(s) of instruction/examination:	Teaching and assessment at the University of Sheffield is in English, except for programmes of study involving language studies, where some teaching and assessment is in the relevant language/s.

3. Information on the level of the qualification

3.1 Level of qualification: Undergraduate programme assigned to level 7 (Bologna FQ-EHEA 2nd cycle qualification) in the Framework for Higher Education Qualifications (see section 8 for further details on UK Higher Education System).

3.2 Official length of programme: Four Years

3.3 Access requirement(s): A Level: AAA including Maths and Physics

BTEC: DDD in Engineering + A Level Maths grade A

International Baccalaureate: 37, 6 in Higher Level Maths and Physics

4. Information on the contents and results gained

4.1 Mode of study: Modern Languages Pattern

4.2 Programme requirements:

Aerospace Engineering at Sheffield differs from conventional aeronautical engineering degrees, which traditionally focus on the materials, structures, aerodynamics and propulsion necessary for high-speed flight and the design of lightweight aircraft. The University of Sheffield programme covers all of these topics, but also addresses concepts of systems integration and autonomous control that are essential for the production of more efficient and environmentally-friendly aircraft and aerospace systems. This means that our students study avionics, dynamic control, information and communication technology, software integration and computer-based tools, in a curriculum that draws on the expertise of six departments in the Faculties of Engineering and Science, plus the University's Management School. Our test facilities include wind tunnels and two flight simulators (one with a dynamic platform); and students undertake a flight test course on-board a Jetstream aircraft as part of their experimental work.

Another distinctive feature of our degree is that at the same time as providing a breadth of knowledge, students can tailor their studies to suit their individual interests and career aspirations. The MEng Aerospace Engineering degree offers the opportunity, after Year 1, to specialise in-depth in either aero-mechanics or avionic systems, or to maintain a broad knowledge of aerospace engineering. Throughout the degree, there are opportunities to participate in industrial seminars and visits, and to undertake research into real-life problems. All our students also take The University of Sheffield's "Global Engineering Challenge", where teams of students work to solve engineering problems in developing countries.

Students will study an agreed set of aerospace engineering modules at a leading university in the USA or Canada. Through their studies, students will develop the cultural awareness, and technical and professional skills needed to benefit fully from the year studying in North America.

This programme is accredited/recognised by one or more professional body. See Section 5.2 for full details.

An Integrated Masters' degree is normally obtained after four years' full-time study or part-time equivalent. 480 credits are required as a minimum (240 in the European Credit Transfer System) at Levels 4, 5, 6 and 7 of the Framework for Higher Education Qualifications in England, Wales and Northern Ireland (FHEQ). At least 320 credits must be achieved at FHEQ Levels 5, 6 and 7, of which a minimum of 120 credits must be at FHEQ Level 7.

4.3 Programme details, and the individual grades/marks/credits obtained:

Academic Year: 2015-16

Programme of study: MENG Aerospace Engineering with a Year in North America **Programme Regulations:** http://www.sheffield.ac.uk/programmeregulationsfinder/ppio/585563

Unit	FHEQ Level	Credits	ECTS	Semester	Title	1st Sitting Grade	1st Sitting Result	2nd Sitting Grade	2nd Sitting Result	3rd Sitting Grade	3rd Sitting Result
ACS1241	4	15	7.5	ACAD YR	Introduction to Systems Analysis and Control	82	P				
AER120	4	10	5	ACAD YR	Introduction to Aerospace Design	83	P				
EEE123	4	20	10	ACAD YR	Introduction to Electric and Electronic Circuits	86	P				
MAS156	4	20	10	ACAD YR	Mathematics (Electrical)	74	P				
MAT1730	4	20	10	ACAD YR	Introduction to Materials Engineering for Aerospace	86	P				
MEC192	4	20	10	ACAD YR	Engineering Solids, Liquids and Gases	75	P				
MEC194	4	15	7.5	ACAD YR	Engineering Statics and Dynamics	85	P				
FCE1001	4	0	0	AUT SEM	Global Engineering Challenge Week		P				
Total Credits Obtained:		**120**	**60**								

Academic Year: 2016-17

Programme of study: MENG Aerospace Engineering with a Year in North America **Programme Regulations:** http://www.sheffield.ac.uk/programmeregulationsfinder/ppio/591941

Unit	FHEQ Level	Credits	ECTS	Semester	Title	1st Sitting Grade	1st Sitting Result	2nd Sitting Grade	2nd Sitting Result	3rd Sitting Grade	3rd Sitting Result
ACS214	5	20	10	ACAD YR	Discrete Systems	83	P				
ACS221	5	20	10	ACAD YR	Control Systems Analysis and Design	79	P				
COM160	4	20	10	ACAD YR	Computer Problem Solving and Object Oriented Design	71	P				
EEE224	5	20	10	ACAD YR	Communication Electronics	81	P				
AER284	5	10	5	AUT SEM	Aerostructures	88	P				
FCE2001	5	0	0	AUT SEM	Engineering - You're Hired		D				
MAS241	5	10	5	AUT SEM	Mathematics II (Electrical)	85	P				
AER298	5	10	5	SPR SEM	Aerospace Fluids Engineering	60	P				
EEE217	5	10	5	SPR SEM	Avionic Systems	76	P				
Total Credits Obtained:		**120**	**60**								

Academic Year: 2017-18

Programme of study: MENG Aerospace Engineering with a Year in North America **Programme Regulations:** http://www.sheffield.ac.uk/programmeregulationsfinder/ppio/621611

Unit	FHEQ Level	Credits	ECTS	Semester	Title	1st Sitting Grade	1st Sitting Result	2nd Sitting Grade	2nd Sitting Result	3rd Sitting Grade	3rd Sitting Result
AER398	6	60	30	AUT SEM	Aerospace Engineering Study Abroad Year - Semester 1	85	P				
AER399	6	60	30	SPR SEM	Aerospace Engineering Study Abroad Year - Semester 2	80	P				
Total Credits Obtained:		**120**	**60**								

Academic Year: 2018-19

Programme of study: MENG Aerospace Engineering with a Year in North America **Programme Regulations:** http://www.sheffield.ac.uk/programmeregulationsfinder/ppio/620014

Unit	FHEQ Level	Credits	ECTS	Semester	Title	1st Sitting Grade	1st Sitting Result	2nd Sitting Grade	2nd Sitting Result	3rd Sitting Grade	3rd Sitting Result
ACS488	7	40	20	ACAD YR	Aerospace Individual Investigative Project	74	P				
ACS6126	7	15	7.5	AUT SEM	Advanced Space Systems and Space Weather	86	P				
ACS6335	7	10	5	AUT SEM	Real-Time Embedded Systems	69	P				
COM4506	7	15	7.5	AUT SEM	Testing and verification in safety-critical systems	85	P				
ACS402	7	15	7.5	SPR SEM	Industrial training programme (ITP) in Avionics	77	P				
ACS6116	7	15	7.5	SPR SEM	Advanced Industrial Control	74	P				
EEE6012	7	10	5	SPR SEM	Antennas, Radar and Navigation	61	P				
Total Credits Obtained:		**120**	**60**								

Notes

Work/Study Placement: at Georgia Institute of Technology, USA - period(s) 21 Aug 2017 to 16 Dec 2017.

Dissertation/Project Title: (module ACS488) Novelty Detection with Jet Engine Data using Data Analytics and Machine Learning- supervisor: Professor Visakan Kadirkamanathan

4.4 Degree grading scheme and, if available, grade distribution guidance:

Unit Grade (100 point scale)		Unit Result		Degree Classification		Award Outcome (Unclassified Degrees)*
70-100	Work of a Class 1 standard	DE	Deferred Result	1	Class One Honours	Successful Completion with Distinction
60-69	Work of a Class 2.1 standard	EX	Exempt	2.1	Class Two Division One Honours	Successful Completion with Merit
50-59	Work of a Class 2.2 standard	F	Fail	2.2	Class Two Division Two Honours	Successful Completion with Commendation
40-49	Work of a Class 3 standard (or Fail for Units at FHEQ Level 7)	MD	Module (Unit) Dropped	3	Class Three Honours	Successful Completion
0-39	Fail	NA	Not Assessed	H	Honours Degree (unclassified)	* Not all unclassified degree programmes use all the above outcomes.
		NC	Not Completed	P	Pass Degree (i.e. without Honours)	
		P	Pass	AG	Aegrotat Degree	

Information about the degree classification methodology used at the University of Sheffield is available at: http://www.sheffield.ac.uk/ssid/exams/classification.

Explanations of grade and results codes are available at: http://www.sheffield.ac.uk/ssid/exams/codes.

Explanations of other transcript terminology are available at: http://www.sheffield.ac.uk/ssid/exams/terminology.

4.5 Overall classification of the qualification: **Class One Honours**

5. Information on the function of the qualification

5.1 Access to further study:	The attainment of a masters degree may entitle access to further studies at postgraduate level (Bologna FQ-EHEA 3rd cycle/Level 8 qualifications or equivalent) and/or professional career opportunities.
5.2 Professional status (if applicable):	Accredited by the Institute of Materials, Minerals and Mining (IOM3) on behalf of the Engineering Council for the purposes of fully meeting the academic requirement for registration as a Chartered Engineer. Accredited by the Institution of Engineering and Technology (IET) on behalf of the Engineering Council for the purposes of fully meeting the academic requirement for registration as a Chartered Engineer. Accredited by the Institution of Mechanical Engineers (IMechE) on behalf of the Engineering Council for the purposes of fully meeting the academic requirement for registration as a Chartered Engineer. Accredited by the Royal Aeronautical Society (RAeS) on behalf of the Engineering Council for the purposes of fully meeting the academic requirement for registration as a Chartered Engineer.

6. Additional information:

6.1 Additional information:

This section provides details of extra-curricular student awards, prizes and activities that represent achievement, and can be verified by the University of Sheffield. All of these support the attainment of the 'Sheffield Graduate', a framework for developing well-rounded individuals who have the knowledge, skills and experience to fulfil their potential as global citizens. Students may also have undertaken additional activities which have contributed significantly to their personal/professional development, but which the University or its Students' Union is not able to verify. Students are encouraged to record these in other documentation.

6.2 Further Information Sources

Further information about the University of Sheffield may be found at http://www.sheffield.ac.uk

7. Certification of the HEAR

7.1 Date Awarded: 25 Jun 2019

Date of Issue: 18 Jul 2019

7.2 Signature: **Tony Strike**

7.3 Capacity: University Secretary

7.4 Official stamp or seal:

The University of Sheffield

8. Information on the national higher education system

A description and diagram of the higher education system in England, Wales and Northern Ireland can be found at: http://www.qaa.ac.uk/en/AssuringStandardsAndQuality/Documents/NationalDescriptionEWNI.pdf