



Name: Behrad Mansouri

Award: Master of Science (Engineering)

Field of study: Advanced Mechanical Engineering

Classification: Pass With Distinction

Award Date: 14th July 2025

The University of Liverpool is a member of the Russell Group, which represents the 24 leading UK universities committed to maintaining the very best research, an outstanding teaching and learning experience and unrivalled links with business and the public sector.

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.

The University of Liverpool only produces HEARs in a digital format. Only HEARs accessed via <https://verify.liverpool.ac.uk> can be considered valid and verified.

## INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

1.1	Family name(s):	Mansouri
1.2	Given name(s):	Behrad
1.3	Date of birth (day/month/year):	1st April 2001
1.4	Student identification number or code:	201791560
	HESA reference number:*	2311267915605

\*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.

## INFORMATION IDENTIFYING THE QUALIFICATION

2.1	Name of qualification and (if applicable) title conferred:	Master of Science (Engineering) The power to award degrees is regulated by law in the UK.
2.2	Main field(s) of study for the qualification:	Advanced Mechanical Engineering
2.3	Name and status of awarding institution(s):	This degree is awarded by the University of Liverpool, a university established by Royal Charter and a recognised body for the award of degrees.
2.4	Name and status of institution(s) (if different from 2.3) administering studies:	As above
2.5	Language(s) of instruction/examination:	All teaching and assessment that leads to a University of Liverpool award is in English, except for programmes of study involving language studies, where some teaching and assessment is in the relevant language(s).

## INFORMATION ON THE LEVEL OF THE QUALIFICATION

- 3.1 Level of qualification:** Postgraduate programme assigned to level 7 in the Framework for Higher Education Qualifications (see Section 8 for further details on the UK Higher Education System), and Bologna FQ-EHEA 2nd cycle degree compatible
- 3.2 Official length of programme:** One year
- 3.3 Access requirement(s):** Detailed information regarding admission to the programme is available in the University's Online Prospectus at <https://www.liverpool.ac.uk/study/postgraduate/courses/taught/>

## INFORMATION ON THE CONTENTS AND RESULTS GAINED

- 4.1 Mode of study:**  
2023-2024 - Full time  
2024-2025 - Full time
- 4.2 Programme requirements:**
1. The programme aims to develop the students academic knowledge in certain mechanical engineering topics to an advanced level beyond that of the final-year BEng Hons level;
  2. Students will have the ability to monitor and adjust a personal programme of work on an on-going basis and to learn independently.
  3. Students will be able to show mastery of the subject matter through application of basic transferable skills, such as teamwork, oral and written communication.
- A programme of study leading to a Master's degree award shall normally require successful completion of 180 credits (90 ECTS) either at FHEQ level 7, or a combination of FHEQ level 7 and up to 30 credits of modules at FHEQ level 6.
- 4.3 Programme details, and the individual grades/marks/credits obtained:**
- Programme Start Date: 29th January 2024**  
**Programme End Date: 31st January 2025**

### 2023-2024 - The University of Liverpool (UK) - Year 1

Module Code	Title	Credits	ECTS	Semester	FHEQ Level	Grade	Result
ENGG 409	Structural Integrity	15	7.5	2	7	90	P
ENGG 595	Technical Writing for Engineers	7.5	3.75	2	7	70	P
MATS 515	Smart Materials	7.5	3.75	2	7	89	P
MECH 433	Energy and the Environment	15	7.5	2	7	76	P
MECH 607	Advanced Manufacturing with Lasers	15	7.5	2	7	80	P
MNFG 413	Design for Environment, Manufacture and Assembly	7.5	3.75	2	7	64	P
ENGG 660	MSC(ENG) Project (60 Credits)	60	30	S	7	77	P
<b>Credits Obtained</b>		<b>127.5</b>					

**2024-2025 - The University of Liverpool (UK) - Year 2**

Module Code	Title	Credits	ECTS	Semester	FHEQ Level	Grade	Result
MECH 434	Nuclear Technologies	7.5	3.75	1	7	81	P
MECH 605	Laser Materials Processing	15	7.5	1	7	90	P
MECH 627	Engineering Fluid Mechanics	15	7.5	1	7	91	P
MNFG 603	Additive Manufacturing	15	7.5	1		88	P
<b>Credits Obtained</b>		<b>52.5</b>					

\* - Indicates a mark obtained at a second or subsequent sitting

E - Indicates Extenuating Circumstances

\*\* - Indicates a mark obtained through RPL (Recognised Prior Learning)

Dissertation Title: Neural Networks to Calibrate Biokinetic Models for Anaerobic Digestion

**4.4 Module grading scheme and, if available, grade distribution guidance:**

Grade (100 point scale)

50 to 100

Pass

40 to 49

Narrow Fail (but compensation may be allowed in accordance with University's rules)

Less than 40

Fail

**4.5 Overall classification of the qualification (in original language):**

Pass With Distinction

Information about the degree classification methodology used at the University of Liverpool is available at <https://www.liverpool.ac.uk/aqsd/academic-codes-of-practice/code-of-practice-on-assessment/>

**INFORMATION ON THE FUNCTION OF THE QUALIFICATION****5.1 Access to further study:**

Attainment of an postgraduate degree may entitle access to postgraduate study (Bologna FQ-EHEA 3rd cycle/level 8 qualifications or equivalent) and/or professional career opportunities.

**5.2 Professional status (if applicable):****ADDITIONAL INFORMATION**

- 6.1** This section provides details of extra-curricular student awards and activities that represent achievement, and have been verified by the University of Liverpool. Details of prizes gained whilst at the University are also listed here. Please note that the number of extra-curricular activities which the University and the Liverpool Guild of Students are currently able to verify is limited. Students may therefore have undertaken additional activities which have contributed significantly to their personal and professional development. They will be encouraged to record these in other documentation.

**Additional Awards (Accredited Performance in Non-Academic Contexts):**

**Term:** 2024-25

**Award:** Attainment Award: Top Student

**Description:** Awarded to the candidate with the highest year average of their cohort

- 6.2 Further information sources:** Further information concerning the University of Liverpool may be obtained from the University's website ([www.liverpool.ac.uk](http://www.liverpool.ac.uk)). A description of the UK higher education system may be obtained from the UCAS website (<https://www.ucas.com/ucas/undergraduate/getting-started/what-higher-education>).

## CERTIFICATION OF THE HEAR

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- 7.1 Date:** 11th July 2025
- 7.2 Award Date:** 14th July 2025
- 7.3 Signature:** 
- 7.4 Capacity:** Director of Student Experience & Enhancement
- 7.5 Official Seal:**



## INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

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- 8.1** You will find further context on the awards we provide and the information on the national higher education system at the following webpage: <https://www.liverpool.ac.uk/graduation/official-documentation/sharing-your-hear/hear-content/>