

The Degree of Master of Financial Engineering (MFEng – 180 points)

These regulations must be read in conjunction with the General Regulations for the University.

1. Version

- (a) These Regulations came into force on 1 January 2018.
- (b) This degree was first offered in 2017.

2. Variations

In exceptional circumstances the Amo Matua, Pūtaiao | Executive Dean of Science or delegate may approve a personal programme of study which does not conform to these Regulations.

3. The structure of the qualification

To qualify for the Master of Financial Engineering, a student is required to take 180 points as follows:

- (a) 120 points of courses from Schedule C to these Regulations
- (b) 15 points of courses from Schedule E to these Regulations. Other 600-level courses may replace these courses if approved by the Tumuaki, Te Tari Ōhanga Tahua | Head of the Department of Economics and Finance
- (c) 30 points from MATH or STAT at 400-level
- (d) 15 points from MATH, STAT, or FINC at 400 or 600-level as approved by the Kaihautū Pūhanga Tahua | Director of Financial Engineering.

4. Admission to the qualification

A student for the Degree of Master of Financial Engineering (MFEng), before enrolling in the programme of study for this degree, must have:

- (a) both
 - i. qualified for a degree in an Aotearoa New Zealand university with a B+ Grade Point Average in the 300-level courses, and
 - ii. been approved as a student for the degree by the Amo Matua, Pūtaiao | Executive Dean of Science or delegate based on relevance and standard of undergraduate studies;
- (b) been credited with:
 - i. STAT101 or equivalent, and
 - ii. FINC201 or equivalent, and
 - iii. any two of MATH201, MATH202, MATH203, STAT213, or equivalent.

A Student who has met the requirements in Regulations 4(b)(i) and 4(b)(iii), but not Regulation 4(b)(ii), may be required to successfully complete summer course FIEC 601 prior to enrolling in the MFEng.

5. Subjects

There are no majors, minors or endorsements for this qualification.

6. Time limits

This qualification adheres to the General Regulations for the University with a time limit of 36 months.

7. Transfers of credit, substitutions and cross-credits

This qualification adheres to the Credit Recognition and Transfer Regulations, with no additional stipulations.

8. Progression

This qualification adheres to the General Regulations for the University, which permits 30 points of course failures to qualify for the degree, with no additional stipulations.

9. Honours, Distinction and Merit

This qualification adheres to the General Regulations for the University and may be awarded with Distinction and Merit.

10. Exit and Upgrade Pathways to other Qualifications

There are no exit qualifications for this degree.

Schedule C: Compulsory Courses for the Degree of Master of Financial Engineering

For full course information, go to www.canterbury.ac.nz/courses

Course Code	Course Title	Pts	2024	Location	P/C/R/RP/EQ
COSC480	Computer Programming	15	S1	Campus	P: Subject to approval of the Head of Department
			S1	Distance Learning	
			S2	Campus	
			S2	Distance Learning	
FENG601	Applications of Financial Engineering	45	NO		P: 135 points course work of Master in Financial Engineering
FINC612	Derivatives Securities	15	S1	Campus	P: (1) Subject to Approval in BCom(Hons) (Finance), MCom (Finance) or MAFE; and (2) FINC201; and (3) FINC203 R: FINC312
FINC623	Advanced Derivative Securities	15	S2	Campus	P: Subject to approval of the Head of Department.
MATH412	Optimization	15	S1	Campus	P: Subject to approval of the Head of School. R: EMTH604
STAT456	Time Series and Stochastic Processes	15	S2	Campus	P: Subject to approval of the Head of School. R: ECON663, ECON614

Schedule E: Elective Courses for the Degree of Master of Financial Engineering

Course Code	Course Title	Pts	2024	Location	P/C/R/RP/EQ
FINC624	Asset Pricing	15	NO		P: Subject to approval of the Head of Department.
FINC628	Risk Analysis	15	NO		P: Subject to approval by Head of Department
FINC629	Credit Risk Management	15	S1	Campus	P: Subject to approval of the Head of Department