

Finance and Real Estate - Graduate Programs

Master of Science in Quantitative Finance

The Master of Science in Quantitative Finance degree program is a STEM program designed to meet the growing demand for financial professionals equipped to implement state-of-the-art analytical techniques in support of financial decision-making. Students complete a rigorous eight-course sequence that includes: finance theory, mathematical finance, financial modeling, economic theory, and econometrics. Students then complete a four-course elective program designed jointly by the student and the program advisor. The Master of Science in Quantitative Finance degree program is a specialized degree program designed to build upon the candidate's prior background.

Master of Science in Real Estate

The purpose of the Master of Science in Real Estate degree program is to provide students an opportunity to obtain a better understanding of the mechanics of real estate decision making in modern society and a greater depth of training in the discipline of real estate decision making than is possible at the baccalaureate level. The specific objectives of the program are to prepare students for careers in business, government, research, and teaching and for further graduate study. In this program, students are exposed to the theory, research, and practical applications of numerous real estate content areas, including investment analysis, appraisal, real estate development, primary and secondary mortgage markets, and mortgage backed securities. The Master of Science in Real Estate degree program is a specialized degree program designed to build upon the candidate's background.

Accreditation

Both programs are accredited by AACSB-International.

Master of Science in Quantitative Finance

ADMISSION

Admission to the M.S. in Quantitative Finance (MSQF) program is based upon the completion of the general graduate admission requirements of the University. For admission into the MSQF program, prospective students are strongly encouraged to submit test scores in the Graduate Management Admission Test (GMAT) or Graduate Record Examination (GRE). An acceptable undergraduate performance is required. Preference is given to individuals having extensive mathematics or computer science backgrounds. Students whose native language is not English must also take the Test of English as a Foreign Language (TOEFL) paper-based, TOEFL internet-based test, International English Language Testing System (IELTS), or Duolingo English Test. International applicants scoring below a minimum level on the English language test may be admitted conditional upon passing an English proficiency exam or upon completing the University's Graduate English Skills Program before beginning graduate coursework. For minimum English language test score requirements set by the University of Texas at Arlington, please refer to: <https://www.uta.edu/admissions/apply/international-graduate> (<https://www.uta.edu/admissions/apply/international-graduate/>). Multiple criteria are used to make admission decisions, as reflected in the Overall Admission Score as calculated below. Applicants are encouraged to submit with their application a resume that highlights professional and personal accomplishments, linguistic abilities, computer expertise, and leadership experience.

Overall Admission Score (OAS) = (GPA*200) + (Quantitative Percentile Score *3)

GPA is based on a scale of 4.0 from the last 60 credit hours of undergraduate coursework as calculated by the Office of Admissions. The Quantitative Percentile Score must be from either the GRE or GMAT.

UNCONDITIONAL ADMISSION

For unconditional admission, we recommend a minimum OAS score of 600 or a Quantitative Percentile Score of at least 75% from the GMAT or GRE. Students who are unconditionally admitted, have a minimum undergraduate grade point average of 3.0 as calculated by Graduate Admissions (or 3.0 at the graduate level), and enroll for a minimum of six semester credit hours will be eligible for available fellowship and scholarship support. A standardized test score (GMAT or GRE) will not be used as the sole criterion or the primary criterion for determining fellowship and scholarship eligibility.

Probationary Admission

An applicant deemed deficient in one or more of the above criteria may be considered for probationary admission if their OAS score is at least 500. Probationary admission requires the student to maintain a 3.00-grade point average for the first two semesters of enrollment. Additionally, the student may be required to take deficiency and foundation courses.

Provisional, Deferred, and Denied Admission

An applicant who has submitted all official transcripts before the admission deadline but has not provided supplemental documents required for the program in which they are pursuing admission may be granted provisional admission at the program's discretion if the student appears to meet admission requirements. The admitting program must receive complete and satisfactory credentials before the end of the semester in which the student has registered in a provisional status. Provisional admission does not guarantee subsequent admission on an unconditional basis. A deferred decision may be granted when a file is incomplete or denial is inappropriate. An applicant will likely be denied admission when the OAS score is less than 500. All applicant data will be evaluated carefully before a denial is issued.

FAST TRACK PROGRAM

The MS in Quantitative Finance participates in the Fast Track program. Students interested in this program should first contact their Undergraduate Advisor.

DEGREE REQUIREMENTS

The M.S. in Quantitative Finance is designed to provide a specialized, highly analytical graduate education to financial managers, financial analysts, and technical personnel. The program comprises 36 credit hours of coursework in finance, economics, mathematics, statistics, and computer science. All students will complete a twenty-four-hour set of foundation classes consisting of:

FINA 5323	INVESTMENTS	3
FINA 5327	FINANCIAL DERIVATIVES	3
FINA 5350	MATHEMATICAL FINANCE	3
FINA 5351	FINANCIAL MODELING FOR INVESTMENTS	3
FINA 5352	FINANCIAL MODELING FOR CORPORATE ANALYSIS	3
FINA 5376	FINANCIAL DATA ANALYTICS	3
ECON 5336	APPLIED BUSINESS AND ECONOMICS DATA ANALYSIS I	3
INSY 5336	PYTHON PROGRAMMING	3
Total Hours		24

The student, subject to the approval of the program advisor, selects the remaining twelve hours of coursework. Courses will be chosen from a list that includes:

- finance elective classes (international finance, financial institutions, capital markets, real options, and capital budgeting),
- economics (macroeconomic theory, econometrics, time series analysis),
- mathematics (advanced calculus, real analysis, differential equations, stochastic processes, and numerical methods),
- statistics (probability theory, mathematical statistics), and
- computer science (programming languages, numerical methods, parallel processing, software engineering).

Students who do not have the appropriate background may have to take additional foundation coursework. The quantitative background appropriate to begin the MSQF program consists of a minimum of six ~~credit hours of calculus and three~~ credit hours each in ~~linear algebra~~, statistics, and computer programming. Other foundation coursework would include at least three credit hours each of microeconomics and finance.

Master of Science in Real Estate

ADMISSION

Admission to the M.S. in Real Estate (MSRE) program is based upon the completion of the general graduate admission requirements of the University. For admission into the MSRE program, prospective students are strongly encouraged to submit test scores in the Graduate Management Admission Test (GMAT) or Graduate Record Examination (GRE). Applicants with any educational background can apply to the MSRE program. Students whose native language is not English must also take the Test of English as a Foreign Language (TOEFL) paper-based, TOEFL internet-based test, International English Language Testing System (IELTS), or Duolingo English Test. International applicants scoring below a minimum level on the English language test may be admitted conditional upon passing an English proficiency exam or upon completing the University's Graduate English Skills Program before beginning graduate coursework. For minimum English language test score requirements set by the University of Texas at Arlington, please refer to: <https://www.uta.edu/admissions/apply/international-graduate> (<https://www.uta.edu/admissions/apply/international-graduate/>). Multiple criteria are used to make admission decisions, as reflected in the Overall Admission Score as calculated below. Applicants are encouraged to submit with their application a resume that highlights professional and personal accomplishments, linguistic abilities, computer expertise, and leadership experience.

Overall Admission Score (OAS) = (GPA * 200) + (GMAT or GRE Percentile Score * 3)

GPA is based on a scale of 4.0 from the last 60 credit hours of undergraduate coursework as calculated by the Office of Admissions.

UNCONDITIONAL ADMISSION

For unconditional admission, we recommend a minimum OAS score of 600 or at least the 75th percentile from the GMAT or GRE. Students who are unconditionally admitted, have a minimum undergraduate grade point average of 3.0 as calculated by Graduate Admissions (or 3.0 at the graduate level), and enroll for a minimum of six semester credit hours will be eligible for available fellowship and scholarship support. A standardized test score (GMAT or GRE) will not be used as the sole criterion or the primary criterion for determining fellowship and scholarship eligibility.

PROBATIONARY ADMISSION

An applicant deemed deficient in one or more of the above criteria may be considered for probationary admission if their OAS score is at least 500. Probationary admission requires the student to maintain a 3.00-grade point average for the first two semesters of enrollment. Additionally, the student may be required to take deficiency and foundation courses.

PROVISIONAL, DEFERRED, AND DENIED ADMISSION

An applicant who has submitted all official transcripts before the admission deadline but has not provided supplemental documents required for the program in which they are pursuing admission may be granted provisional admission at the program's discretion if the student appears to meet admission requirements. The admitting program must receive complete and satisfactory credentials before the end of the semester in which the student has registered in a provisional status. Provisional admission does not guarantee subsequent admission on an unconditional basis. A deferred decision may be granted when a file is incomplete or denial is inappropriate. An applicant will likely be denied admission when the OAS score is less than 500. All applicant data will be evaluated carefully before a denial is issued.

Waiver of GMAT/GRE Score for Graduate Certificate in Real Estate Development Students

Students who successfully complete the Graduate Certificate in Real Estate Development with a GPA of 3.0 or higher will, upon the recommendation of the Real Estate Program Committee and approval of the Dean of Business, be granted a waiver of the GMAT/GRE requirement for their application to the Master of Science in Real Estate program.

FAST TRACK PROGRAM

The MS in Real Estate participates in the Fast Track program. Students interested in this program should first contact their Undergraduate Advisor.

DEGREE REQUIREMENTS

The program, which can be completed by part-time students who attend classes during the weekend and evening hours, is designed to accommodate students with divergent educational backgrounds and career interests. Each student's program of work must be approved by the Real Estate Graduate Advisor, and it must contain a minimum of 21 semester hours in approved advanced graduate real estate courses taken at The University of Texas at Arlington.

REAE 5311	REAL ESTATE ANALYSIS	3
REAE 5321	SEMINAR IN REAL ESTATE INVESTMENT	3
REAE 5334	SEMINAR IN REAL ESTATE APPRAISAL	3
REAE 5319	SEMINAR IN REAL ESTATE FINANCE	3
REAE 5314	SEMINAR IN REAL ESTATE DEVELOPMENT	3
REAE 5315	REAL ESTATE TRENDS & ISSUES	3
REAE 5350	QUANTITATIVE METHODS FOR REAL ESTATE	3
Total Hours		21

A minimum of 30 semester hours is required. The remaining 9 hours of elective coursework are selected by the student, subject to the approval of the program advisor. All classes must be approved by the Graduate Advisor in Real Estate.

Graduate Certificate in Real Estate Development

Objective

In keeping with the mission of The University of Texas at Arlington to provide lifelong learning opportunities, the Department of Finance and Real Estate now offers a Graduate Certificate in Real Estate Development. The Graduate Certificate in Real Estate Development is designed to provide qualified real estate professionals advanced instruction in real estate development and allow them to further their professional development. This post-baccalaureate Certificate provides an educational opportunity that is narrower in scope, and shorter in duration, than graduate degree programs. It is ideal for people transitioning from one sector of real estate into real estate development, or those in the process of satisfying education requirements for various professional real estate licenses.

Admission

Admissions to the Graduate Certificate in Real Estate Development is based upon the general graduate admission requirements of the University. Generally applicants must have an undergraduate grade point average of at least 2.9 as calculated by Graduate Admissions. A graduate grade point average is used when the applicant has attained at least 24 graduate semester hours.

Applicants whose undergraduate GPA was less than a 2.9 may still be admitted to the Graduate Certificate in Real Estate Development program by meeting the admissions requirements for the M.S. Real Estate program.

Course Requirements

Foundation Course

REAE 5311	REAL ESTATE ANALYSIS	3
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Required Courses

REAE 5314	SEMINAR IN REAL ESTATE DEVELOPMENT	3
REAE 5321	SEMINAR IN REAL ESTATE INVESTMENT	3
REAE 5319	SEMINAR IN REAL ESTATE FINANCE	3
REAE 5334	SEMINAR IN REAL ESTATE APPRAISAL	3

Total Hours		15
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Use of Courses Toward Degree Program

Students that initially enroll in the Graduate Certificate in Real Estate Development may later use up to 15 hours of coursework from the Certificate program toward the Master of Science in Real Estate degree.

You may be entitled to know what information The University of Texas at Arlington (UT Arlington) collects concerning you. You may review and have UT Arlington correct this information according to procedures set forth in [UTS139](https://www.utsystem.edu/board-of-regents/policy-library/policies/uts139-texas-public-information-act/) (<https://www.utsystem.edu/board-of-regents/policy-library/policies/uts139-texas-public-information-act/>). The law is found in sections [552.021](http://www.statutes.legis.state.tx.us/Docs/GV/htm/GV.552.htm#552021) (<http://www.statutes.legis.state.tx.us/Docs/GV/htm/GV.552.htm#552021>), [552.023](http://www.statutes.legis.state.tx.us/Docs/GV/htm/GV.552.htm#552023) (<http://www.statutes.legis.state.tx.us/Docs/GV/htm/GV.552.htm#552023>) and [559.004](http://www.statutes.legis.state.tx.us/Docs/GV/htm/GV.559.htm#559004) (<http://www.statutes.legis.state.tx.us/Docs/GV/htm/GV.559.htm#559004>) of the Texas Government Code. For more information, see our [Privacy Policy](https://www.uta.edu/legalaffairs/notices/legal-and-privacy-notice.php) (<https://www.uta.edu/legalaffairs/notices/legal-and-privacy-notice.php>).