

**Graduate Program in Operations Research and Industrial Engineering  
The University of Texas at Austin**

**Certificate in Decision Analysis**

The Decision Analysis Certificate is designed to provide the necessary coursework and training for students that may use decision analysis as part of their job function. The certificate is available only to students outside of Operations Research and Industrial Engineering (ORIE). ORIE students must complete an MS or a PhD in ORIE with a Concentration in Decision Analysis.

Non ORIE-students must obtain a graduate degree in their home department, but take two courses in decision analysis and either complete a Master's report or a Master's thesis that includes a substantial decision-analysis component.

Students successfully completing the Certificate may list it on their resume and Prof. Bickel will confirm if requested.

**Certificate Requirements**

- Graduate degree from an approved program at UT Austin.
- Approved programs include LBJ School of Public Affairs, Energy and Earth Resources, McCombs School of Business, Economics, Mathematics, any degree in Engineering other than ORIE
- Completion of two-course Decision Analysis sequence, which must be taken for a letter grade
- The combined GPA in the two decision analysis courses must exceed 3.3
- A individual project or a thesis supervised (or co-supervised) by Prof. Bickel

**MS Required Courses (6 hours)**

Decision Analysis I (ORI 390R.17, Fall)

Decision Analysis II (ORI 397, Spring)

**Required Master's Report (3 hours) or Thesis (6 hours)**

Master's Report or Master's Thesis

Master's Report or Thesis must be supervised or co-supervised by Prof. Bickel.

**How to Apply**

Students may apply upon completion of their first decision-analysis course. To apply, email Prof. Bickel the following:

- Transcript
- Course plan showing when second decision analysis course will be taken and timing of Master's Report or Thesis
- Statement detailing your proposed research area and your career goals

**Contact:** Prof. J. Eric Bickel, Graduate Program in Operations Research & Industrial Engineering,  
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