

Alignment Matrix for CE M.S. Program

Student Learning Outcome (SLO)/Required Courses/Experiences	Graduate Courses	CE890 Seminar	Final Oral Exam	Thesis/ Report
Degree Program SLOs				
1. Ability to solve advanced engineering problems using discipline appropriate math, science, computation and analysis skills	A, X		A, X	X
2. Ability to critically synthesize and evaluate information		A, X	A, X	X
3. Demonstrate Competency in the area of specialization		A, X	A, X	X
4. Ability to conduct scholarly activities			A, X	X
5. Ability to communicate effectively both in written and oral forms		A, X	A, X	X
University SLOs (Graduate Program)				
1. Knowledge	X	X	X	X
2. Skills	X	X	X	X
3. Attitude and Professional Conduct		X	X	X

X: Students have the opportunity to learn the outcome

A: Student performance is used for program level assessment of the outcome

Alignment Matrix for CE Ph.D. Program

Student Learning Outcome (SLO)/Required Courses/Experiences	Graduate Courses	CE890 Seminar	Prelim Exam	Final Oral Exam	Dissertation
Degree Program SLOs					
1. Ability to solve advanced engineering problems using discipline appropriate math, science, computation and analysis skills	A, X		A, X	A, X	X
2. Ability to critically synthesize and evaluate information		A, X	A, X	A, X	X
3. Demonstrate expertise in the area of specialization		A, X	A, X	A, X	X
4. Ability to plan and conduct scholarly activities that make original contributions to the knowledge base in the field of study			A, X	A, X	X
5. Ability to communicate effectively both in written and oral forms		A, X	A, X	A, X	X
University SLOs (Graduate Program)					
1. Knowledge	X	X	X	X	X
2. Skills	X	X	X	X	X
3. Attitude and Professional Conduct		X	X	X	X

X: Students have the opportunity to learn the outcome

A: Student performance is used for program level assessment of the outcome