3. Course Alignment Matrix:

Student Outcomes	EECE Courses															
	544	555	615	637	643	653	655	669	675	682	685	697	698	699P	699T	Exam
An ability to identify and formulate requirements for advanced systems				X	X				X					X	X	
An ability to analyze and prioritize requirements and constraints in order to determine the features that must be included in advanced systems			X	X			X			X				X	X	
An ability to design advanced digital or analog systems that meet all requirements					X									X	X	X
An ability to implement designs for digital or analog systems and evaluate how well the designs meet the requirements	X				X					X				X	X	
An ability to conduct literature research and assess its impact on electrical and/or computer engineering issues	X				X				X					X	X	
An ability to apply current technologies and use modern tools to solve engineering problems			X				X			X				X	X	

EECE 615 and 643 are required courses for all students in the MSECE program. EECE 682 will be added as a required course for all MSECE students in a curriculum change that is planned for 2018-2019 AY. Students are required to take an additional six credit hours of 600 level courses to partially fulfill the degree requirements.

Student Outcomes	EECE Courses											
	416	425	437	444	450	451	453	465	481	482	483	484
An ability to identify and formulate requirements for advanced systems		X										
An ability to analyze and prioritize requirements and constraints in order to determine the features that must be included in advanced systems			X									
An ability to design advanced digital or analog systems that meet all requirements							X					
An ability to implement designs for digital or analog systems and evaluate how well the designs meet the requirements							X			X		
An ability to conduct literature research and assess its impact on electrical and/or computer engineering issues			X*						X*			
An ability to apply current technologies and use modern tools to solve engineering problems	X									X		