

Doctor of Philosophy Plan of Study

Engineering and Applied Science

Studen	t ID Number	Date Entered Program				
Studen	t Name:					
Addres	(last)	(first)		(middle)		
City		State	Z .i	in		
Pnone:	()Email	R	esearcn Ad	visor:		
Curric	ulum Option: Machine Learning and	d Data Scier	ice (MLD	S)		
and 12 allowed	ed 36 credits (minimum amount) coursewo credits at the 600-level or above. 24 credits d. (Attach UMassD approval forms.) ed 12 credits of core courses in the option (s of Advanced S	Standing an	d/or 6 transf		
Course	Course title	Institution	Term/	Reqd/	Grade	Credit/
No.			Year	Elective		Hours
Requir	ed 6 credits of minor area courses (ie Grad	uate Minor Ele	ective Cours	ses)		
Course	ed 6 credits of minor area courses (ie Grad	uate Minor Ele Institution	Term/	Reqd/	Grade	Credit/
Course					Grade	Credit/ Hours
Course			Term/	Reqd/	Grade	
Requir Course No.			Term/	Reqd/	Grade	
Course No.	Course title	Institution	Term/	Reqd/	Grade	
Course No. Requir	Course title ed 9 credits of mathematics and computation	Institution onal courses	Term/ Year	Reqd/ Elective		Hours
Course No. Requir Course	Course title	Institution onal courses	Term/	Reqd/		
Course No. Requir Course No.	Course title ed 9 credits of mathematics and computation	Institution onal courses	Term/ Year Term/	Reqd/ Elective		Hours Credit/
Course No. Requir	Course title ed 9 credits of mathematics and computation Course title	Institution onal courses	Term/ Year Term/	Reqd/ Elective		Hours Credit/ Hours

Required enrollments in EAS graduate seminar courses (full-time Ph.D. students only)

Course	Course title	Institution	Term/	Reqd/	Grade	Credit/
No.			Year	Elective		Hours
EAS 602	Research Ethics	UMassD		R		1
EAS 700	Doctoral Seminar	UMassD	-	R		2

Last modified: July 2024

Required 6 credits in Machine Learning and Data Science courses

Course	Course title	Institution	Term/	Reqd/	Grade	Credit/
No.			Year	Elective		Hours
MTH 601	Mathematics of Deep Learning	UMassD		R		3
or	or					
MTH 602	Scientific Machine Learning					
CIS 530	Advanced Data Mining	UMassD		R		3
or	or					
CIS 550	Advanced Machine Learning					

Required 3 credits in Dissertation Proposal Preparation

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Course	Course title	Institution	Term/	Reqd/	Grade	Credit/
No.			Year	Elective		Hours
EAS 600	Dissertation Proposal Preparation	UMassD		R		3

Required 27 credits for doctoral research

Course	Course title	Institution	Term/	Reqd/	Grade	Credit/
No.			Year	Elective		Hours
EAS 601	Doctoral Dissertation Research	UMassD		R		
EAS 701	Doctoral Dissertation Research	UMassD		R		

Total number of credits for this degree expected by graduation (66 min.): _	
(Graduate Course hours plus Research and Dissertation hours)	

Examinations for Ph.D. Degree:

Date	Examination	Committee Chair	Result	
	Qualifying Examination		Pass Fail	
	Comprehensive Examination		Pass Fail	
	Dissertation Defense		Pass Fail	

Tentative Dissertation Title_	

Approvals	Signature	Date
Student		
Advisor		
Graduate Program Director		
College Dean		
Graduate Studies Office		

Instructions: The "Plan of Study" consists of the list of courses to be completed by the student in partial fulfillment of the Ph.D. degree requirements. This form should be completed by the student and approved

by the student's research/academic advisor within the first year after entering the PhD program. The advisor should forward the completed form to *EAS Program Assistant or Program Director* who will coordinate the remaining approvals. A copy of this form will be kept on file and can be updated at any time.