

2024 Annual Data Science Curriculum Courses Report

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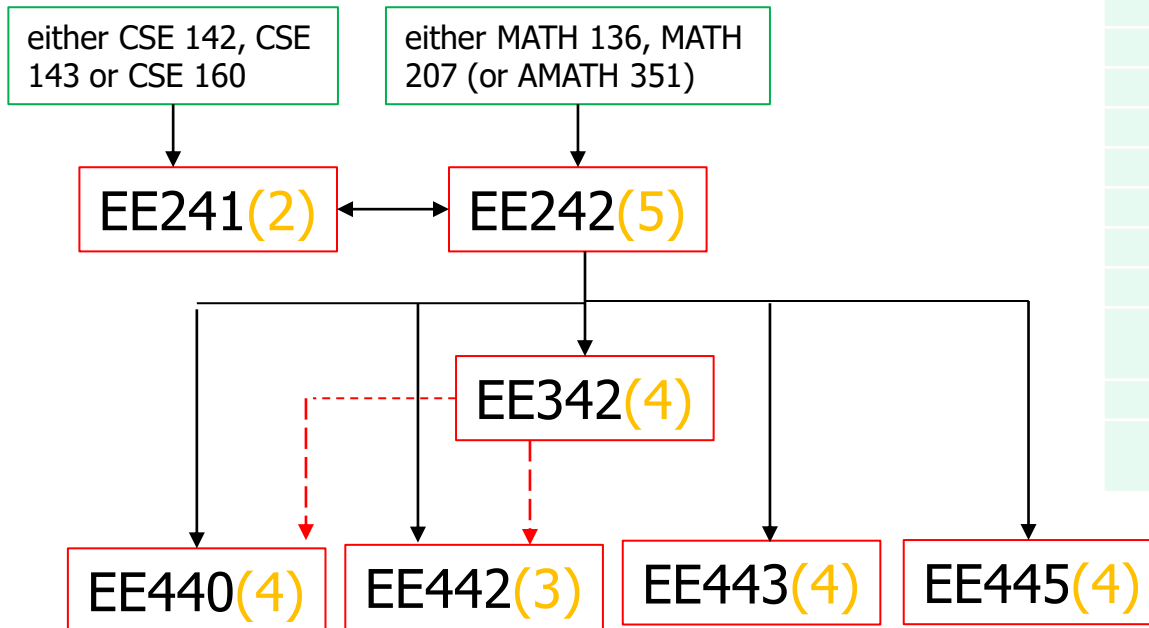
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Data Science Courses



EE	Title
241	Programming for Signal and Information Processing Applications
242	Signals, Systems, and Data I
342	Signals, Systems, and Data II
440	Introduction to Digital Imaging Systems
442	Digital Signals and Filtering
443	Machine Learning for Signal Processing Applications
445	Fundamentals of Optimization and Machine Learning



Course Enrollments

		Aut22	Win23	Spr23	Aut23	Win24	Spr24
241	Programming for Signal and Information Processing Applications	153	104	66	120	121	71
242	Signals, Systems, and Data I	128	84	61	73	124	68
342	Signals, Systems, and Data II	37	47	43	22	36	15
440	Introduction to Digital Imaging Systems	27			19		
442	Digital Signals and Filtering		38			33	
443	Machine Learning for Signal Processing Applications			43			46
445	Fundamentals of Optimization and Machine Learning			31			37

Number	Title	Instructor	Quarter
241	Programming for Signal and Information Processing Applications	Hannaford	Aut 23
241	"	Hannaford	Win 24
241	"	Hannaford	Spr 24
242	Signals, Systems, and Data I	Gadre	Aut 23
242	"	Hameed	Win 24
242	"	Roy	Spr 24
342	Signals, Systems, and Data II	Atlas	Aut 23
342	"	Niu	Win 24
342	"	Orsborn	Spr 24
440	Introduction to Digital Imaging Systems	Sun	Aut 23
442	Digital Signals and Filtering	Hwang	Win 24
443	Machine Learning for Signal Processing Applications	Hwang	Spr 24
445	Fundamentals of Optimization and Machine Learning	Fazel	Spr 24



Course Evaluations

Course	Qtr.	Instr.	Participated	Adj. Combined	CEI	Hours/Cr
241	Aut 23	Hannaford	2/24	4.3	4.5	2.2
241A	Win 24	Hannaford	4/24	4.1	5.2	1.8
241B	Win 24	Hannaford	4/24	2.9	3.8	1.8
241C	Win 24	Hannaford	2/23	4.5	5.3	2.2
241D	Win 24	Hannaford	3/24	3.5	4.5	1.5
242	Aut23					
242	Win 24	Hameed	31/123	5.2	5.7	2.4
342	Spr 23	Orsborn	29/43	3.8	4.6	2.3
342	Aut 23	Atlas	7/20	3.6	5	2.5
342	Win 24	Niu	34/36	4.6	4.5	2.1
440	Aut 23	Sun	2/19	3.6	5.2	1.9
442	Win 24	Hwang	3/29	3.3	4.4	4.2
443	Spr 23	Hwang	11/43	4.4	5.2	2.2
445	Spr 23	Fazel	16/27	4.5	6.2	2.9



Missing EOC Reports

Missing Quarter	Course (Instructor)
Autumn 2022	241 (Singh)
Autumn 2022	342 (Atlas)
Winter 2023	342 (Hameed)
Spring 2023	342 (Orsborn)
Spring 2023	445 (Fazel)
Autumn 2023	342 (Atlas)
Winter 2024	342 (Niu)



ABET Outcome

A	B	C	D	E	F	G	H	I	J	K	L
				ABET Outcome (Novice/Developing/Competent/Exemplary)							Notes
Course	Title	Instructor	Quarter Assessed	1	2	3	4	5	6	7	
242		Gadre	Autumn 2023					2/2/3/2		2/2/2/3	
242		Hameed	Winter 2024								No EOC completed yet.
342			Various								NO EOCs COMPLETED SINCE SPRING 2022
440			Autumn 2023	0/1/2/3					0/1/3/3		
442			Winter 2024	0/5/4/3	0/4/6/1						
443		Hwang	Spring 2023								Scores submitted, but not in standard form. See EOC for details:
445		Fazel	Spring 2023								NO EOCs COMPLETED SINCE SPRING 2022



Comments

- EE440 possibly will be canceled
- AI/ML vs. Signal/Image Processing
- EE341 future
- Retirement of some faculty