

Catalog Year 2023-2024

ADTC, Laser/Electro-Optics Technology

(For	internal	use	only)

 \boxtimes No change

☐ UCC proposal

A Major Academic Plan (MAP) is one way to complete a degree in a set number of semesters. The *example* below is only one strategy. Actual plans for individual students will vary based on advisor recommendations and academic needs. Official Program Requirements including Major, General Education, Electives, and university requirements (see pg.2) are based on Catalog Year.

Course Subject and Title	Cr.	Min. Grade	*GE, UU or UM	**Sem. Offered	Prerequisite	Co-Requisite		
Semester One								
GE Objective 6: TGE 1150 Applied Social Sciences in the		C-	GE	D				
Workplace (Recommended)								
GE Objective 2: COMM 1101 Fundamentals of Oral Comm		C-	GE	F, S				
RCET 1153A: Basic Electricity & DC Circuit Theory		C-		F, S		RCET 1153B		
RCET 1153B: Basic Electricity & AC Circuit Theory		C-		F, S		RCET 1153A, RCET 1155B		
RCET 1155A: Basic Electricity & DC Circuit Lab		C-		F, S		RCET 1155B		
RCET 1155B: Basic Electricity & AC Circuit Lab		C-		F, S		RCET 1153B, RCET 1155A		
Total	18							
Semester Two								
GE Objective 5: PHYS 1101/L Elements of Physics & Lab	4	C-	GE	F, S				
RCET 1154A: Analog Control Devices Theory	4	C-		F, S, D	RCET 1153A/B, RCET 1155A/B	RCET 1156A		
RCET 1154B: Digital Control Devices Theory		C-		F, S, D	RCET 1153B	RCET 1156B		
RCET 1156A: Analog Control Devices Lab		C-		F, S, D	RCET 1153A/B, RCET 1155A/B	RCET 1154A		
RCET 1156B: Digital Control Devices Lab		C-		F, S, D	RCET 1155B	RCET 1154B		
Total								
Summer Semester								
RCET 3331: Laser Systems & Optics Theory	4	C-		D	RCET 1154B	RCET 3332		
RCET 3332: Laser Systems & Optics Laboratory		C-		D	RCET 1156B	RCET 3331		
Total								
Semester Three								
GE Objective 3: RCET 1372 Calculus for Electronics		C-		F, S	MATH 1144 or MATH 1147 or			
(required)					RCET 1154A			
RCET 2251: Systems Analog & Digital Theory		C-		F, S		RCET 2253		
RCET 2253: Systems Analog & Digital Lab		C-		F, S	RCET 1156B	RCET 2251		
RCET 2271: Introduction to Lab Simulation Software		C-		F, S				
Total 17 *GE=General Education Objective IIII=Linner Division University IIM= Linner Division Major								

^{*}GE=General Education Objective, UU=Upper Division University, UM= Upper Division Major

^{**}See Course Schedule section of Course Policies page in the e-catalog (or input F, S, Su, etc.)

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2023-2024 Major Requirements			GENERAL EDUCATION OBJECTIVES				
2025-2024 Major Requir	ements	CR	Satisfy Objectives 1,2,3,5,6		min		
MAJOR REQUIREMENTS		44	1. Written English (3 cr. mir	n)			
RCET 1153A: Basic Electricity and DC Circuit	Theory	4					
RCET 1153B: Basic Electricity and AC Circuit	Theory	4	2. Spoken English (3 cr. mir	n) COMM 1101			
RCET 1154A: Analog Control Devices Theor	y	4	3. Mathematics (3 cr. mir	n) RCET 1372	4		
RCET 1154B: Digital Control Devices Theory		4	4. Humanities, Fine Arts, Fo	reign Lang.			
RCET 1155A: Basic Electricity and DC Circuit	Laboratory	2					
RCET 1155B: Basic Electricity and AC Circuit	Laboratory	2					
RCET 1155B. Basic Electricity and Accelerate Eaboratory RCET 1156A: Analog Control Devices Laboratory		2	5. Natural Sciences (1 le	ctures, 1 lab; 4 cr. min)			
RCET 1156B: Digital Control Devices Laboratory		2	PHYS 1101	, , , , , , , , , , , , , , , , , , ,			
RCET 2251: Systems Analog and Digital Theory		6	PHYS 1101/L				
RCET 2253: Systems Analog and Digital Lab		5					
RCET 2271: Introduction to Lab Simulation Software		2	6. Behavioral and Social Scie	ence			
RCET 3331: Laser Systems/Optics Theory	zoreware .	4	TGE 1150: Applied Social Sciences in the Workplace (Rec.)				
RCET 3332: Laser Systems/Optics Laborator	·V	3	One Course from EITHER Objective 7 OR 8				
istration and in the second se	<u>.1</u>		7. Critical Thinking	geenve / en e			
RCET 1372: Calculus for Electronics	(counted in GE	Obj. 3)	8. Information Literacy				
PHYS 1101 w/Lab	(counted in GE	<u> </u>	9. Cultural Diversity				
·	· ·		·				
			General Education Elective t	to reach 36 cr. min. (if	necessary)		
				Total GE	1		
				GE Objectives by Catalog Year			
			http://coursecat.isu.edu/undergraduate/programs/				
			-				
			-				
			MAP Credit Summary				
			Major		44		
			General Education				
			Upper Division Free Electives to reach 36 credits Free Electives to reach 120 credits				
				TOTAL	58		
			Graduation Requirement Minimum Credit Checklist		Confirmed		
			-	Minimum 36 cr. General Education Objectives (15 cr. AAS)			
			Minimum 15 cr. Upper Division in Major (0 cr. Associate)				
			Minimum 36 cr. Upper Division Overall (0 cr. Associate)				
			iviinimum of 120 cr. Total (6	Minimum of 120 cr. Total (60 cr. Associate)			
Advising Notes		MAP Completion Status	(for internal use only)				
				Date			
		CAA or COT:	PJ 06/01/2023				
			Complete College Americ				
				in first year-Specific GE MATH cour	se identified		
			9 credits in the Major area in first year				
				(or 30 in academic year)			
			Milestone courses				

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