Instrumentation and Control Systems Engineering Technology Louisiana Tech University Curriculum as of 2019 to Current

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Email @latech.edu

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Instrumentation and Control Systems Engineering Technology Louisiana Tech University

FRESHMAN YEAR											
Fall Quarter			Hr	Hr Winter Quarter			Spring Quarter				
ENGT MATH		Applied Engr Problem Solving I * College Algebra	2 3	ENGT 121 MATH 112	Applied Engr Problem Solving II * Trigonometry		ENGT 122 MATH 220	Applied Engr Problem Solving III * Applied Calculus	2 3		
СНЕМ	120	Intro to Inorganic Chemistry	3	CHEM 122	Chemistry Lab	1	PHYS 209	General Physics I	3		
FYE	100	First Year Experience	1	ENGL 101	Freshman Composition	3	PHYS 261	General Physics Lab I	1		
				COMM 101	Principles of Comm Studies	3					
			9			12			9		
				T	SOPHOMORE YEAR	1	1		1		
	Fall Quarter		Hr		Winter Quarter	Hr		Spring Quarter	Hr		
ENGT		Applied Engineering Mechanics	3	ENGT 221	Applied Electrical Circuits		ENGT 222	Applied Thermodynamics	3		
MATH		Applied Calculus for ICET	4	ENGT 250	Computer-Aided Engineering		ELET 270	Instrumentation	3		
ENGL	102	Freshman Composition II	3	PHYS 210	General Physics II	3	ELET 280	Electrical Power I	3		
				PHYS 262	General Physics Lab	1					
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			10		JUNIOR YEAR	10			J		
					Winter Quarter	Hr		Spring Quarter	Hr		
ENGT	320	Applied Thermal Systems	3	ENGT 321	Applied Fluid Systems	3	ENGT 322	Applied Manufacturing Systems	3		
ICET	301	Control Systems I	3	ICET 302	Control Systems II	3	ICET 303	Control Systems III	3		
ICET	370	Digital Comm & Networks	3	ELET 360	Electrical Power II	3	ELET 361	Electro-Mech Power Conv Lab	1		
				Social Scien	ce Elective**	3	INEN 300	Engineering Economics	2		
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ICET	475		Hr 1	ICET 476	Winter Quarter	Hr	ICET 477	Spring Quarter	Hr		
ENGT		Capstone Design I Professionalism & Ethics	1	INEN 416	Capstone Design II Intro to Project Management		ICET 477	Capstone Design III ppreciation Elective◊◊	1 3		
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* Requires grade of "C" or higher.

Courses in **bold** are *typically* offered only once per year.

 $\hfill\square$ Must be completed within first year of enrollment

ODirected Electives chosen by student in consultation with faculty advisor and approved by the Instrumentation and Control Systems Engineer Program Chair.

**Social Science Electives can be selected from Anthropology, Criminal Justice, Economics, Geography, International Studies, Interdisciplinary, Political Science, Psychology, and Sociology.

+ Humanities Elective can be selected from Classical Studies, Communications, Foreign Language, History, Literature, Philosophy, Religious Studies, and interdisciplinary. Common choices are ENGL 210, ENGL 211, ENGL 212, COMM 378, or any HIST.

◊◊ Fine Arts Appreciation can be selected from MUGN 290, THTR 290, ART 290, or KINE 280.