

# LAPELS APPROVED COURSE LIST

Updated Oct 2019

INSTITUTION	COURSE #	COURSE DESCRIPTION	CLASSIFICATION	CREDIT	
<b>BATON ROUGE COMMUNITY COLLEGE</b>	ENGR1032	ENGINEERING GRAPHICS	M	Full	
	ENGR207	SURVEYING	S	Full	
	ENGR208	ADVANCED SURVEYING	S	Full	
	ENGR209	LOUISIANA SURVEY LAW	R	Full	
<b>BOSSIER PARISH COMMUNITY COLLEGE</b>	CONS210	CONSTRUCTION SURVEYING & LAB	S	Full	
	TEED140	ENGINEERING GRAPHICS	M	Partial (1)*	
	TEED143	INTRODUCTORY COMPUTER DRAFTING	M	Partial (1)	
	TEED144	INTERMEDIATE COMPUTER DRAFTING	M	Partial (1)*	
	TEED156	CUSTOMIZING AUTOCAD	M	Partial (1)	
*Overlap - A total of 1 semester credit hour will be given for both courses.					
<b>DELGADO COMMUNITY COLLEGE</b>	CIVT100	ELEMENTARY SURVEYING	S	Full	
	CIVT115	CIVIL DRAFTING	M	Full	
	CIVT105	ADVANCED SURVEYING	S	Full	
	RLST161	LOUISIANA REAL ESTATE LAW	R	Full	
	RLST261	PRINCIPLES/REAL ESTATE	R	Full	
	RLST263	PRINCIPLES OF RESIDENTIAL	R	Full	
<b>LA. STATE UNIVERSITY</b>	CE3500	PLANE SURVEYING AND MEASUREMENTS	S	*	
	CE3600	PRINCIPLES OF HIGHWAY & TRAFFIC ENGINEERING	S	Partial (1) ††	
	CE3740	INDEPENDENT STUDIES IN CIVIL ENGINEERING	R	Full	
	CE4500	GEODETTIC AND PHOTOGRAMMETRIC SURVEYING	M	**	
	CE4520	ADVANCED SURVEYING	S	Full	
	CE4530	CONTROL SURVEYING WITH GPS	S	Full	
	CE4550	BOUNDARY SURVEYING	S/B	Full	
	CE4560	ENGINEERING APPLICATIONS TO REMOTE SENSING	M	Full	
	CE4600	GEOMETRIC DESIGN OF HIGHWAYS & AIRPORTS	S	Partial (2) ††	
	CE4750	PROFESSIONAL ISSUES & CONCEPT DESIGN IN CIVIL ENGINEERING	S	Partial (1)	
	CM1010	CONSTRUCTION GRAPHICS & NOMENCLATURE	M	Partial (2)	
	CM1020	ENGINEERING GRAPHICS FOR MECHANICAL ENGINEERS	M	Full	
	CM1030	HONORS ENGINEERING GRAPHICS	M	Full	
	CM2105	CONSTRUCTION SURVEYING & LAYOUT	S	*	
	CM3100	CONSTRUCTION SURVEYING & LAYOUT	S	*	
	CM4206	SPECIAL TOPICS IN CONSTRUCTION MANAGEMENT	S	Provide syllabus	
	EGR1001	ENGINEERING GRAPHICS	M	Full	
	FIN3351	PRINCIPLES OF REAL ESTATE	R	Full	
	GEOG2039	CARTOGRAPHIC DRAFTING AND GRAPHIC PRESENTATION	M	Full	
	GEOG2040	GEOSPATIAL TECHNOLOGIES	M	Partial (2)	
	GEOG4019	AERIAL PHOTO INTERPRETATION-CULTURAL FEATURES	M	**	
	GEOG4020	AERIAL PHOTO INTERPRETATION AND IMAGE PROCESSING	M	**	
	GEOG4040	COMPUTER CARTOGRAPHY	M	Full	
	GEOG4044	COMPUTER CARTOGRAPHY	M	Full	
	GEOG4045	ENVIRONMENTAL REMOTE SENSING	M	Partial (1)	
	GEOG4047	GEOGRAPHIC INFORMATION SYSTEMS (SECTION 3)	M	Full	
	GEOG4049	ADVANCED COMPUTER CARTOGRAPHY	M	Full	
	RNR 2001	TREES AND WOODY PLANTS OF THE SOUTHEAST	M	Partial (1)	
	RNR3004	FOREST PHOTOGRAMMETRY GIS & GPS	M	Full	
	*A total of 4 semester credit hours will be given for both courses				
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†A total of 4 semester credit hours will be given for both courses					
††No credit allowed for these two courses if claiming credit for CE4520					

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LSU ALEXANDRIA	BUS3201	BUSINESS LAW I	R	Full	
LA. TECH UNIVERSITY	BLAW441	REAL ESTATE LAW	R	Full	
	CADD1210	BASIC COMPUTER AIDED DRAFTING & DESIGN	M	Full	
	CVEN254	PLANE SURVEYING	S	Full	
	CVEN255	AUTOCAD DRAFTING	M	Full*	
	CVEN332	HIGHWAY ENGINEERING	S	Partial (1)	
	CVEN355	ADVANCED SURVEYING	S	Full	
	CVEN357	ENGINEERING & CONSTRUCTION SURVEYING	S	Full	
	CVEN450A	GIS/GPS SYSTEMS	M	Full	
	CVEN450C	COMPUTER APPLICATIONS IN CONSTRUCTION	M	***	
	CVEN456	LEGAL ASPECTS OF BOUNDARY SURVEYING	S/B	Full	
	CVEN457	PRACTICAL SURVEYING	S	Full	
	CVEN492	CIVIL ENGINEERING DESIGN I	S	**	
	CVEN493	CIVIL ENGINEERING DESIGN II	S	**	
	CVEN494	CIVIL ENGINEERING DESIGN III	S	**	
	CVTE255	CONSTRUCTION ENGINEERING TECHNOLOGY	M	Full*	
	ENGL303	TECHNICAL WRITING	M	Full	
	ENGR120	ENGINEERING PROBLEM SOLVING	M	Partial (1)	
	ENGR151	ENGINEERING GRAPHICS & COMPUTER MODELING	M	Full	
	FINC442	PRINCIPLES OF REAL ESTATE AND LAND USE ECONOMICS	R	Partial (1)	
	GIS341	COMPUTER CARTOGRAPHY	M	Full	
	GIS350	INTERMEDIATE GIS	M	Full	
	GIS217	AERIAL PHOTO INTERPRETATION	M	Full	
	GIS224	GPS IN NATURAL RESOURCES MGMT	M	Full	
	GIS250	INTRODUCTION TO GIS	M	Full	
	GIS260	REMOTE SENSING	M	Partial (1)	
	INEN415/450B	COMPUTER AIDED ENGINEERING/AUTOCAD	M	Full	
	*Credit allowed for one or the other - not both				
	**To be awarded upon completion of CVEN494 - 1 hour total				
***Need syllabi.					
MCNEESE UNIVERSITY	CIEN313	TRANSPORTATION ENGINEERING	S	Partial (1)	
	CIEN310	ELEMENTARY SURVEYING	S	Full	
	CIEN406	ADVANCED SURVEYING	S	Full	
	ENGR101	ENGINEERING GRAPHICS	M	Full	
	ENGR491	SENIOR DESIGN PROJECT II	S	Partial (1/2 hr)	
	GEOG361A	INTRO TO GEOGRAPHIC INFORMATION SYSTEMS	M	Full	

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NICHOLLS STATE UNIVERSITY	EGSC101	ENGINEERING GRAPHICS	M	Full
	EGSC111	ENGINEERING GRAPHICS WITH COMPUTER AIDED DRAWING	M	Full
	EGSC222	GEOVISUALIZATION	M	Full
	EGSC301	INTRODUCTION TO COMPUTER AIDED DRAWING	M	Full
	EGSC302	COMPUTER AIDED SURVEYING DRAWING	M	Full
	FIN341	PRINCIPLES OF REAL ESTATE	R	Partial (1)
	FIN441	REAL ESTATE APPRAISAL	R	Partial (1)
	GEOM101	INTRODUCTION TO GEOMATICS	S	Full
	GEOM201	GEOMATICS METHODS I	S	Full
	GEOM202	GEOMATICS METHODS II	S	Full
	GEOM203	GEOMATICS METHODS I LAB	S	Full
	GEOM204	GEOMATICS METHODS II LAB	S	Full
	GEOM301	ROUTE & CONSTRUCTION SURVEYS	S	Full
	GEOM303	ROUTE & CONSTRUCTION SURVEYS LAB	S	Full
	GEOM304	MEASUREMENT SCIENCE	S	Full
	GEOM305	GEODESY & GEODETIC COORDINATES	S	Full
	GEOM310	BOUNDARY CONTROL & LEGAL PRINCIPLES	S/B	Full
	GEOM311	GIS THEORY & APPLICATIONS	M	Full
	GEOM401	SUBDIVISION DESIGN & PLATTING	S	Full
	GEOM405	GEODETIC POSITIONING SYSTEMS	S	Full
	GEOM410	SURVEYING & MAPPING PRACTICE	S	Full
	GEOM411	MAPPING BY PHOTOGRAMMETRY & REMOTE SENSING	M	Full
	LASS220	REAL ESTATE LAW	R	Full
SOUTHEASTERN LA. UNIVERSITY	CTEC171	SURVEY PRINCIPLES	S	Full
	DDT114	TECHNICAL ILLUSTRATION	M	Partial (2)
	DDT211	PIPE DRAFTING	M	Full
	DDT212	PARAMETRIC MODELING OF MACHINE PARTS/ASSEMBLIES	M	Full
	IT111	ENGINEERING DRAFTING	M	Partial (1)
	IT112	DESCRIPTIVE GEOMETRY	M	Partial (1)
	IT215	COMPUTER AIDED DRAFTING	M	Full
TH HARRIS/ACADIANA TECHNICAL COLLEGE/ SOUTH LA. COMMUNITY COLLEGE	CIVL1120	SURVEYING I LECTURE	S	Full
	CIVL1121	SURVEYING I LAB	S	Full
	CIVL1140	BASIC DRAFTING	M	Full
	CIVL1141	BASIC DRAFTING	M	Full
	CIVL1220	SURVEYING II LECTURE	S	Full
	CIVL1221	SURVEYING II LAB	S	Full
	CIVL1320	SURVEYING III LECTURE	S	Full
	CIVL1321	SURVEYING III LAB	S	Full
	CIVL1330	LOUISIANA SURVEY LAW	S	Full
	CIVL1411	SURVEYING IV LAB	S	Full
	CIVL1413	SURVEYING IV LECTURE	S	Full
	CIVL1420	MAP STUDY (PHOTOGRAMMETRY)	M	Full
	CIVL1430	LEGAL PRINCIPLES OF SURVEYING	S/B*	Full
	CIVL1441	COMPUTER AIDED DRAFTING	M	Full
	CIVL1460	DATA COLLECTION AND PROCESSING	S	Full
	CIVL1470	GEOGRAPHIC INFORMATION SYSTEMS	M	Full
CIVL1480	REAL PROPERTY/ LAND DEVELOPMENT	R	Full	

\*Both required to count as Boundary course

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INSTITUTION	COURSE #	COURSE DESCRIPTION	CLASSIFICATION	CREDIT
<b>UNIVERSITY OF LA. LAFAYETTE</b>	BLAW309 or 320	LA. MINERAL LAW	R	Full
	CIVE142	CIVIL ENGINEERING GRAPHICS	M	Partial (2)*
	CIVE225	SURVEYING	S	Full
	CIVE442	SENIOR DESIGN	S	Partial (2)
	CIVE450	HIGHWAY ENGINEERING	S	Partial (1)
	ENGL365	TECHNICAL WRITING	M	Partial (2)
	GIS305	INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS	M	Full
	ITEC/MCHE103	INTRODUCTORY GRAPHICS	M	Full
	ITEC270	AUTOCAD DRAFTING	M	Full*
*Credit allowed for one or the other - not both - for total of no more than 3 hours				
<b>UNIVERSITY OF LA. MONROE</b>	CONS112/113-01	ARCHITECTURAL DRAFTING	M	**
	CONS211	CONSTRUCTION SURVEYING	S	*
	CONS212	CONSTRUCTION SURVEYING	S	*
	CONS355/FCSC355	COMPUTER AIDED DRAFTING	M	**
*Taught jointly				
**2 hours allowed for each OR 3 hours for both				
<b>UNIVERSITY OF NEW ORLEANS</b>	ENEC2301	CIVIL ENGINEERING COMPUTING & GRAPHICS	M	Full
	ENEC2310	ELEMENTARY SURVEYING MEASUREMENTS	S	Full
	ENEC4097	DRONE APPLICATION AND REMOTE PILOT TRAINING	M	Full
	ENCW2302/2303	CIVIL ENGINEERING COMPUTER & GRAPHICS	M	Full
	FIN2335	PRINCIPLES OF REAL ESTATE	R	Partial (1)
	GEOG4805/5805	FUNDAMENTALS OF MAPPING	M	Full
	GEOG4810/5810	REMOTE SENSING I	M	Partial (1)
	GEOG4820/5820	REMOTE SENSING II	M	Partial (1)
	GEOG4830/5830	GIS THEORIES & CONCEPTS	M	Full
<b>UNIVERSITY OF ARKANSAS MONTICELLO</b>	SIS1001	INTRO TO SPATIAL INFORMATION SYSTEMS	S	Full
	SIS2014	BOUNDARY SURVEYING	S/B	Full
	SIS2023	COMPUTER ASSISTED CARTOGRAPHY	M	Partial (2)
	SIS2114	PLANE SURVEYING I	S	Partial (3)
	SIS3153	SURVEY PLATS & DEEDS	S	Full
	SIS3264	ROUTE & CONSTRUCTION SURVEYING	S	Full
	SIS3814	INTRO TO GIS, GPS & REMOTE SENSING	M	Full*
	SIS3843	ADVANCED GIS	M	Full*
	SIS3923	REMOTE SENSING	M	Full
	SIS4183	MAPPING LAW & PROFESSIONALISM	R	Full
	SIS4193	ADVANCED GLOBAL POSITIONING SYSTEMS	S	Full
	SIS4454	PLANE SURVEYING II	S	Full
*Credit allowed for one or the other (not both)				
<b>AUSTIN COMMUNITY COLLEGE</b>	RELE1309	REAL ESTATE LAW	R	Full

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INSTITUTION	COURSE #	COURSE DESCRIPTION	CLASSIFICATION	CREDIT
UNIVERSITY OF AKRON	2880:230	COMPUTER AIDED DRAWING II	M	Partial (2)
	2940:170	SURVEYING DRAFTING	M	Full
	2980:100	INTRODUCTION TO GEOMATICS	M	Full
	2980:101	BASIC SURVEYING I	S	Full
	2980:102	BASIC SURVEYING II	S	Full
	2980:222	CONSTRUCTION SURVEYING	S	Full
	2980:223	FUNDAMENTALS OF MAP PRODUCTION	M	Full
	2980:225	ADVANCED SURVEYING	S	Full
	2980:228	BOUNDARY SURVEYING	S/B	Full
	2980:310	SURVEYING COMPUTATIONS & ADJUSTMENTS	S	Full
	2980:315	BOUNDARY CONTROL & LEGAL PRINCIPLES	S/B	Full
	2980:355	COMPUTER APPLICATIONS IN SURVEYING	M	Partial (2)
	2980:415	LEGAL ASPECTS OF SURVEYING	RP	Full
	2980:420	ROUTE SURVEYING	S	Full
	2980:421	SUBDIVISION DESIGN	S	Partial (1)
	2980:422	GPS SURVEYING	S	Partial (2)
	2980:425	LAND NAVIGATION	M	Full
2980:445	APPLICATIONS IN GIS USING GPS	M	Full	
2985:101	INTRO TO GEOGRAPHIC & LAND INFORMATION SYSTEMS (GIS/LIS)	M	Full	
UNIVERSITY CALIFORNIA SAN DIEGO	GIS2	SPATIAL ANALYSIS	M	Full
COLLEGE OF THE CANYONS	SURV101	INTRO TO LAND SURVEYING	S	Full
	SURV102	ADVANCED LAND SURVEYING	S	Full
	SURV103	ADV APPLICATIONS IN SURVEYING I	S	Full
	SURV104	ADV APPLICATIONS IN SURVEYING II	S	Full
	SURV105	BOUNDARY CONTROL & LEGAL PRINCIPLES I	S/B	Full
	SURV106	BOUNDARY CONTROL & LEGAL PRINCIPLES II	B	Full
	SURV107	CONSTRUCTION SURVEYING	S	Full
	SURV110	COMPUTER AIDED DRAFTING FOR SURVEYORS	M	Full
CINCINNATI STATE	CET250	ROUTE LOCATION & DESIGN	S	Full
	CET251	ELEMENTS OF LAND SURVEY I	S	Full
	CET252*	ELEMENTS OF LAND SURVEY II	B	Full
	CET260	CONTROL SURVEYING	S	Full
	CET267	SURVEYING LAWS, ETHICS, & HISTORY	S	Full
	CET777	SURVEYING CALCULATIONS	S	Full
*Must take both CET251 and CET252 to get Boundary credit.				
COPIAH-LINCOLN COMMUNITY COLLEGE	DDT1114	FUNDAMENTALS OF DRAFTING	M	*
	DDT1313	PRINCIPLES OF CAD	M	*
	DDT1323	INTERMEDIATE CAD	M	**
	DDT1413	ELEMENTARY SURVEYING	S	Full
	DDT2343	ADVANCED CAD	M	**
*Credit allowed for only 1 of these courses				
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UNIVERSITY OF CENTRAL ARKANSAS	GEOG3303	INTRODUCTION TO GIS	M	Full
	GEOG3306	REMOTE SENSING & IMAGE INTERPRETATION	M	Partial (1)
FERRIS STATE UNIVERSITY	CENG220	ENGINEERING SURVEYING	S	Full
	GISC225	PRINCIPLES OF GIS	M	Full
	GISC239	REMOTE SENSING	M	Full
	SURE110	FUNDAMENTALS OF SURVEYING	S	Full
	SURE230	ADVANCED SURVEYING	S	Full
	SURE340	PHOTOGRAMMETRY I	M	Full
	SURE365	LEGAL ASPECTS OF SURVEYING I	S	Full
	SURE440	ADVANCED PHOTOGRAMMETRY	M	Full
	SURE452	GEODESY I	M	Full
SURE465	LEGAL ASPECTS OF SURVEYING II	RP	Full	

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INSTITUTION	COURSE #	COURSE DESCRIPTION	CLASSIFICATION	CREDIT
UNIVERSITY OF FLORIDA	REE3043	REAL ESTATE ANALYSIS	R	Full*
	SUR2101	GEOMATICS	S	Full
	SUR3103C	GEOMATICS (elementary)	S	Full
	SUR3323	VISUALIZATION OF SPATIAL INFORMATION	M	Full
	SUR3331	PHOTOGRAMMETRY	M	Full
	SUR3393/3393L	GEOGRAPHIC INFORMATION SYSTEMS	M	Full
	SUR3501	GEODETIC & CONTROL SURVEYING	S	Full
	SUR3520	MEASUREMENT SCIENCE	S	Full
	SUR3641	SURVEYING COMPUTATIONS	S	Full
	SUR4201	ROUTE GEOMETRICS AND DESIGN	S	Full
	SUR4350	ADVANCED PHOTOGRAMMETRY	M	Full
	SUR4380	REMOTE SENSING	M	Full
	SUR4403	CADASTRAL PRINCIPLES	S or R	Full
	SUR4430	SURVEYING AND MAPPING PRACTICE	S/B	Full
	SUR4463	SUBDIVISION DESIGN	S	Full
	SUR4530	GEODESY	M	Full
	SUR4905	HYDROGRAPHIC SURVEYING	S	Full
	SUR4912	SENIOR PROJECT - SPRING 2010	S	Full
SUR5625	GIS ANALYSIS	M	Full	
*Approved only as part of Geomatics degree				
GEORGIA TECH	CE1770	INTRO TO ENGINEERING GRAPHICS	M	Full
GREAT BASIN COLLEGE	CADD121	CAD FOR LAND SURVEYORS	M	Full
	SUR280	FUNDAMENTALS OF GEOMATICS I	S	Full
	SUR281	FUNDAMENTALS OF GEOMATICS II	S	Full
	SUR290	INTRO TO URBAN DEVELOPMENT	S	Partial (2)
	SUR320	GIS FOR SURVEYORS	M	Full
	SUR330	INTRO TO LEAST SQUARES ADJUSTMENT	S	Full
	SUR340	PHOTOGRAMMETRY & REMOTE SENSING	M	Full
	SUR360	PUBLIC LAND SURVEY SYSTEM	S/B	Full
	SUR365	LAND DESCRIPTIONS	RP	Full
	SUR440	GEODETIC & GPS SURVEYING	S	Full
	SUR450	CONSTRUCTION SURVEYING	S	Full
	SUR460	ADVANCED BOUNDARY ANALYSIS	S/B	Full
	SUR495	LAND SURVEYING / GEOMATICS CAPSTONE	S	Full
HAMLINE UNIVERSITY	LAW9141	PROPERTY I	R	Full
	LAW9517	MODERN REAL ESTATE TRANSACTIONS	R	Full
HINDS COMMUNITY COLLEGE	DDT1413	ELEMENTARY SURVEYING	S	Full
	DDT2433	LEGAL PRINCIPLES OF SURVEYING	S	Full
	DDT2443	ADVANCED SURVEYING	S/B	Full
	MMT2723	REAL ESTATE LAW	R	Full
HOUSTON COMMUNITY COLLEGE	RELE1309	REAL ESTATE LAW	R	Full

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INSTITUTION	COURSE #	COURSE DESCRIPTION	CLASSIFICATION	CREDIT
UNIVERSITY OF HOUSTON	CNST1330	GRAPHIC I (LEC & LAB)	M	Partial (2)
	MECT3341	COMPUTER-AIDED DRAFTING I	M	Full
	SURY2361	SURVEYING I	S	Full
	SURY2371	GLOBAL POSITIONING SYSTEMS	S	Full
	SURY2372	GEOGRAPHICAL INFORMATION SYSTEM (GIS)	M	Full
	SURY3342	COMPUTER AIDED SURVEYING	M	Full
	SURY3363	SURVEYING III	S	Full
	SURY3373	SUBDIVISION PLANNING & DESIGN	S/B	Full
	SURY3462	SURVEYING II	S	Full
	SURY4363	LEGAL ASPECT OF SURVEYING	S/B	Full
	SURY4364	SURVEYING IV	S/B	Full
	SURY4369	SURVEY ANALYSES	S/B or R	Full
	SURY4170	ETHIC IN PROFESSIONAL SURVEYING	S	Partial (1)
INDIAN RIVER STATE COLLEGE	ETD1320	INTRODUCTION TO AUTOCAD	M	Partial (2)
	ETD2340	AUTOCAD LEVEL II	M	Full
	SUR1101	BASIC SURVEYING & MAPPING	S	Full
	SUR2400	LEGAL ASPECTS OF LAND SURVEYING	S/B	Full
	SUR2402	LEGAL DESCRIPTIONS	S	Full
	SUR2600	SURVEYING II	S	Full
JOHNSON COUNTY COMMUNITY COLLEGE	ENGR131	ENGINEERING GRAPICS I	M	Full
LAKE SUPERIOR COLLEGE	CADE1407	ENGINEERING CAD	M	Partial (3)
	CETT1405	FUNDAMENTALS OF SURVEYING	S	Full
	CETT1420	ROUTE SURVEY	S	Full
	CETT1430	CIVIL CAD APPLICATIONS	M	Partial (3)
	CETT2400	INTERMEDIATE SURVEY	S	Full
	CETT2420	LAND SURVEY SYSTEMS	S	Full
	CETT2460	ADVANCED SURVEY	S	Full
UNIVERSITY OF MAINE	SIE509	PRINCIPLES OF GIS	M	Full
	SVT532	SURVEY STRAGETIES IN USE OF LIDAR	M	Full
METROPOLITAIN COMMUNITY COLLEGE	SRVY135	ELEMENTARY SURVEYING	S	Full
	SRVY137	SUBDIVISION PLANNING & LAYOUT	S	Full
	SRVY236	LEGAL ASPECTS OF SURVEYING	R	Full
	SRVY237	LAND SURVEYING	R	Full
METROPOLITAN STATE COLLEGE OF DENVER	COM390F	TECHNICAL WRITING FOR SURVEYING AND MAPPING	M	Full
	SUR2520	SURVEYING II	S	Full
	SUR2550	SURVEYING COMPUTATIONS	S	Full
	SUR3100	SURVEY DATA ADJUSTMENT AND ANALYSIS I	S	Full
	SUR3220	REAL PROPERTY DESCRIPTIONS	R	Full
	SUR3300	PHOTOGRAMMETRY	M	Full
	SUR3540	BOUNDARY LAW I	S/B	Full
	SUR3700	GEODESY I	S	Full
	SUR4540	BOUNDARY LAW II	S/B	Full
MICHIGAN STATE UNIVERSITY	IDES240	AUTOCAD: A TASK BASED APPROACH	M	Partial (2)
MIDDLE GEORGIA COLLEGE	ENGR2503	SURVEYING LAWS	R	Full
MISSISSIPPI GULF COAST COMM. COLLEGE	BAD2713	PRINCIPLES OF REAL ESTATE	R	*
	BAD2723	REAL ESTATE LAW	R	*
*3 hours total allowed for both courses together				

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INSTITUTION	COURSE #	COURSE DESCRIPTION	CLASSIFICATION	CREDIT
MISSISSIPPI STATE UNIVERSITY	ABE2873	LAND SURVEYING	S	Full*
	ABE3513	GPS & GIS IN AGRICULTURE & ENGINEERING	M	Full**
	ABE4990	SPECIAL TOPIC IN ABE - CAPSTONE SURVEYING	S	Full
	BL4253/6253	REAL ESTATE LAW	R	Full
	CE2213	SURVEYING	S	Full*
	CE3113	TRANSPORTATION ENGINEERING (formerly CE3123 Hwy. Eng.)	S	Partial (1)
	CE4233	CONTROL SURVEYS	S	Full
	CE4243	LAND SURVEYING	S/B	Full
	EG1143	GRAPHIC COMM. (formerly EG1123 Eng. Graphics)	M	Full
	F04472/6472	GIS FOR NATURAL RESOURCE MANAGEMENT	M	Full**
	GR2313	INTRODUCTION TO MAPS & REMOTE SENSING	M	Full
	REF3333	PRINCIPLES OF REAL ESTATE	R	Partial (1)
	REF3433	REAL PROPERTY EVALUATION	R	Partial (1)
	WF4253/6253	APPLICATION OF SPATIAL TECHNOLOGIES TO WF MANAGEMENT	M	Full
*These 2 courses overlap / **These 2 courses overlap				
THE UNIVERSITY OF MISSISSIPPI	FIN351	PRINCIPLES OF REAL ESTATE	R	Full
MOOREPARK UNIVERSITY	GISM01	Intro to Mapping & GIS	M	Full
NORTH LAKE COLLEGE	RELE1309	TEXAS REAL ESTATE LAW	R	Full
OKLAHOMA STATE UNIVERSITY	SURV1133	FUNDAMENTALS OF GIS	M	Full
	CSUR2614	SURVEYING I	S	Full
	SURV2232	ROUTE SURVEYING	S	Full
	SURV2233	CIVIL DRAFTING I	M	Full
	SURV2242	RESIDENTIAL SUBDIVISION DESIGN	S	Full
	SURV2413	REMOTE SENSING & PHOTOGRAMMETRY	M	Full
	SURV2623	LEGAL PRINCIPLES OF SURVEYING I	R	Full
	SURV2633	LEGAL PRINCIPLES OF SURVEYING II	S/B	Full
	SURV2643	ADVANCED SURVEYING	S	Full
	SURV2734	APPLIED SURVEY COMPUTATIONS	S	Partial (3)
SURV27343	FUNDAMENTALS OF GPS	S	Full	
UNIVERSITY OF PUERTO RICO MAYAGUEZ	INCI4001	SURVEYING I	S	Full
	INCI4002	SURVEYING II	S	Full
	INCI4018	SUMMER SURVEYING CAMP	S	Full
	INCI4051	GEODESY I	S	Partial (2)
	INCI4059	GEODETIC ASTRONOMY	S	Full
	INCI4071	ADJUSTMENT COMPUTATIONS I	S	Full
	INCI4078	TOPOGRAPHIC DRAWING	M	Full
	INCI4081	PHOTOGRAMMETRY I	M	Partial (1)
	INCI4085	THEORY OF MAP PROJECTIONS	M	Partial (1)
	INCI4086	INTRO TO PHYSICAL GEODESY	S	Partial (2)
	INCI4087	SPECIAL SURVEYS	S	Partial (2)
	INCI4125	INTRO TO GEOGRAPHIC INFORMATION SYSTEMS	M	Full
UNIVERSITY OF PITTSBURGH	CE1201	CONSTRUCTION INFORMATION SYSTEM	M	Full
	CE1333	SENIOR DESIGN PROJECT	M	Full
	CE1713*	HIGHWAY ENGINEERING	S	Full
*No credit if claiming CET250 from Cinn State				
PURDUE UNIVERSITY	CGT211	RASTER IMAGING FOR COMPUTER GRAPHICS	M	Full
	TG105	TECHNICAL SKETCHING	M	Full
	TG107	TECHNICAL GRAPHICS II	M	Full
PURDUE UNIVERSITY INDIANAPOLIS	CET204	LAND SURVEY SYSTEMS	S/B	Full
ST. CLOUD STATE UNIVERSITY	GEOG316	INTRO TO GIS	M	Full
	GEOG335	LAND SURVEYING	S	Full
	GEOG336	CONTROL & GEODETIC SURVEYING	S	Full
	GEOG350	INTRO TO REMOTE SENSING	M	Full
	GEOG406	THEMATIC CARTOGRAPHY	M	Full
	GEOG433	CADASTRAL SURVEYING	S/B	Full
	GEOG435	LEGAL ASPECTS OF SURVEYING & BOUNDARY CONTROL	RP	Full
	GEOG438	GEODESY & SURVEYING ADJUSTMENTS	S	Partial (2)



# LAPELS APPROVED COURSE LIST

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INSTITUTION	COURSE #	COURSE DESCRIPTION	CLASSIFICATION	CREDIT
ST. CLOUD TECH. & COMMUNITY COLLEGE	CIEN1810	SURVEY I	S	Full
	CIEN1811	SURVEY II	S	Full
	CIEN1812	SURVEY III	S	Full
	CIEN1845	CIVIL CAD II	M	Full
	CIEN1935	CONTROL/DIGITAL SURVEYS	S	Full
	CIEN2811	SURVEY PRINCIPLES II	B	Full
	GEOG490	BOUNDARY CONTROL & SURVEY LAW	B	Full
SOUTHERN POLYTECHNIC STATE (Georgia)	ENGR2160	CIVIL GRAPHICS & COMPUTER AIDED DRAFTING	M	Full
	SURV2221	SURVEYING I	S	Full
	SURV3222	SURVEYING II	S	Full
	SURV3421	GEOGRAPHIC INFORMATION	M	Full
	SURV3903/4903	DENDROLOGY	M	Full
	SURV4410	SURVEYING COMPUTATIONS & ADJUSTMENTS	S	Full
	SURV4415	GEODETIC SURVEYING	S	Full
	SURV4465	LEGAL ASPECTS	S & RP	2 hours each
	SURV4470	LAND DEVELOPMENT DESIGN	M	Partial (2)
	SURV4475	LAND SURVEY PRACTICE	S/B	Partial (1)
	SURV4903	ADVANCED GPS METHODS	S	Full
STEPHEN F. AUSTIN UNIVERSITY	BLAW366.020	REAL ESTATE LAW	R	Full
	FOR223	SURVEYING & MAPPING	S	Full
	FOR323	FIELD STATION LAND MEASUREMENTS	S	Partial (1)
	GIS224	INTRODUCTION TO SPATIAL SCIENCE	M	Full
	HRT/AGM325	DESIGN APPLICATION SOFTWARE I (CAD)	M	Full
TEXAS A&M UNIVERSITY Corpus Christi	GISC1336.001/W01	DIGITAL DRAFTING AND DESIGN & LAB	M	Full
	GISC1371	GLOBAL LAND OWNERSHIP	R	Full
	GISC1470	GIS 1	M	Full
	GISC2350	FIELD CAMP 1	S	Full
	GISC2470	GEOSPATIAL PLANE I MEASUREMENT I	S	Full
	GISC3301	GIS 2	M	Partial (1)
	GISC3325	GEODETIC SCIENCE	M	Full
	GISC3412	PLANE MEASUREMENT 2	S	Full
	GISC4302	PHOTOGRAMMETRY	M	Full
	GISC4305	LEGAL ASPECTS	M	Partial (1)
	GISC4326	GEOMATICS PROFESSIONAL PRACTICE	B	Full
	GISC4350	FIELD CAMP 2	S	Full
	GISC4371	TEXAS LAND OWNERSHIP	R	Full
	GISC4410	CADASTRAL MAPPING	R	Full
	GISC5384	CADASTRAL INFORMATION SYSTEMS DESIGN	M	Full
	GSEN5300	FOUNDATIONS OF GIS	M	Full
	GSEN5381	GENERALIZATION OF TOPOGRAPHIC MAPS	M	Full
	GSEN5383 001/W01	ADVANCED SPATIAL ANALYSIS & DESIGN	M	Partial (2)
	GSEN5384	GENERALIZATION OF TOPOGRAPHIC MAPS	M	Full
	GSEN5384.001	GEOSPATIAL VISUALIZATION DESIGN	M	Full
UNIVERSITY OF TEXAS TYLER	TECH1303	ENGINEERING GRAPHICS	M	Full
	TECH3341	TOPICS IN INDUSTRIAL STUDIES PUBLIC DOMAIN OF TEXAS	R	Partial (1)
	TECH3342	APPLICATIONS OF PHOTOGRAMMETRY	M	Full
	TECH4341	LEGAL PRINCIPLES IN SURVEYING & MAPPING	S/B	Full
	TECH4342	INTRODUCTION TO GEODESY	M	Full

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INSTITUTION	COURSE #	COURSE DESCRIPTION	CLASSIFICATION	CREDIT
TROY STATE UNIVERSITY	GEM2220	BASICS OF CARTOGRAPHY & SURVEYING	M	Full
	GEM3309	LAND PARCEL ADMINISTRATION & LAW	R	Full
	GEM3310	LAND SURVEY PRACTICE	S	Full
	GEM3330	ADVANCED MEASUREMENT ANALYSIS	S	Full
	GEM3366	PHOTOGRAMMETRY & REMOTE SENSING SYLLABUS	M	Full
	GEM3370	GEODESY & GEODETICS	M	Full
	GEM3379	INTRODUCTION TO LEAST SQUARES ADJUSTMENT	S	Full
	GEM3390	INTRODUCTION TO GIS	M	Full
	GEM3391	APPLICATION OF GIS	M	Full
	GEM4405	ROUTE & CONSTRUCTION SURVEYING	S	Full
	GEM4407	LAND DEVELOPMENT & SUBDIVISION DESIGN PRACTICE	R	Full
	GEM4409	HYDROLOGY	S	Full
	GEM1391	APPLICATION OF GIS LAB	M	Full
TYLER JUNIOR COLLEGE	CADD2334	COMPUTER-AIDED DRAFTING	M	Full
	SRVY1301	INTRODUCTION TO SURVEYING	S	Partial (2)
	SRVY1309	SURVEYING MEASUREMENT PRACTICE	S	Partial (2)
	SRVY1311	INTRODUCTION TO SURVEYING	S	Full
	SRVY1341	LAND SURVEYING	S	Partial (2)
	SRVY1345	LAND SURVEYING APPLICATIONS	S	Partial (1)
	SRVY1391	SPECIAL TOPICS IN SURVEYING - TITLE EXAMINATION & DEED PLOTTING	R	Partial (1)
	SRVY2286	SURVEYING AND MAPPING PRACTICUM	S	Partial (2)
	SRVY2305	GEOGRAPHIC INFORMATION SYSTEMS APPLICATIONS	M	Partial (2)
	SRVY2309	COMPUTER-AIDED MAPPING	M	Partial (2)
	SRVY2314	ROUTE SURVEYING	S	Full
	SRVY2324	ROUTE SURVEYING PRACTICE	S	Full
	SRVY2331	GEODETIC SURVEYING AND MAPPING	S	Full*
	SRVY2335	GEODETIC SURVEYING AND MAPPING APPLICATIONS	S	Full*
	SRVY2339	ENGINEERING DESIGN SURVEYING	S	Full**
	SRVY2341	ENGINEERING DESIGN SURVEYING LAB	S	Full**
	SRVY2343	LEGAL PRINCIPLES I	S/R	Full
	SRVY2344	LEGAL PRINCIPLES II	S/B/R	Full
*These 2 courses overlap / **These 2 courses overlap				
WAKE TECHNICAL COMMUNITY COLLEGE	CIV125	CIVIL/SURVEYING CAD	M	Full
	SRV210	SURVEYING III	S/B	Partial (3)
	SRV220	SURVEYING LAW	S/B	Partial (3)

# LAPELS APPROVED COURSE LIST

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INSTITUTION	COURSE #	COURSE DESCRIPTION	CLASSIFICATION	CREDIT
UNIVERSITY OF WYOMING	CE2050 / LS2110	REAL PROPERTY LAW	R	Full
	CE2070	ENGINEERING SURVEYING	S	Full*
	CE2072 / LS2010	ENGINEERING SURVEYING	S	Full*
	CE2074 / LS3300	ETHICS FOR THE PROF. SURVEYOR	S	Full
	CE2076 / LS2100	RECORD RESEARCH FOR SURVEYORS	R	Full
	CE2080	PUBLIC LAND SURVEYS I	S	Full
	CE2082	PUBLIC LAND SURVEYS II	S	Full
	CE2083 / LS2410	GIS FOR SURVEYORS	M	Full
	CE2084	PUBLIC LAND SURVEYS III	S	Full
	CE2085 / LS3130	PUBLIC LAND SURVEYS	S	Full
	CE2086	ADVANCED PUBLIC LAND SURVEYS	S	Full
	CE2088 / LS3100	REAL PROPERTY DESCRIPTIONS	S or R	Partial (2)
	CE2089 / LS2400	BASIC GEODESY FOR TODAY'S LAND SURVEYOR	M	Full
	CE2090 / LS2020	GPS FOR LAND SURVEYORS	S	Full
	CE3710 / LS3200	ROUTE SURVEYING	S	Full
	CE3720 / LS3210	ADVANCED SURVEYING	S	Full
	CE3740 / LS3120	BOUNDARY CONTROL & LEGAL PRINCIPLES	S/B or R	Partial (2)
	CE3750 / LS3110	SURVEYING EVIDENCE AND PROCEDURES FOR BOUNDARY LOCATION	S/B	Full
	CE3760 / LS3230	APPLIED LEAST SQUARES ADJUSTMENTS	M	Full
	CE4700 / LS4110	COASTAL WATER BOUNDARIES	S/B	Full
	CE4730 / LS4120	INLAND WATER BOUNDARIES	S	Full
	CE4740 / LS4130	ADVANCED PUBLIC LAND SURVEYS	S/B	Full
	CE4750 / LS3400	REMOTE SENSING & PHOTOGRAMMETRY	M	Full
	CE4920	LAND SUBDIVISION AND PLATTING	B	Full
	CE4920	APPLIED HYDROGRAPHIC SURVEYING	S	Full
	CE4920	GPS THEORY AND INSTRUMENTATION	S	Full
	MGT3340	REAL ESTATE LAW	R	Full
	-	MINOR IN LAND SURVEYING - 31 hours	All	Full
	-	CADASTRAL SURVEYING CERTIFICATE - 30 hours	All	Full

\*These 2 courses overlap

**CLASSIFICATIONS:** S = Surveying, S/B = Surveying/Boundary, M = Mapping, R = Real Property

**NOTES:**

All pre-approvals are based on the course content as described by the syllabi that were provided to us. Any changes in the content or format of a previously approved course may result in our disapproving the course for credit toward the required 30 semester credit hours of surveying, mapping and real property courses. LAPELS does not allow credit for courses which are duplicative of, or have content which overlaps that of other courses that have been submitted for approval.