

Guideline to help in assessing the equivalence of courses for students transferring to LAU

N.B. The information below is a general guideline to help in assessing the equivalence of courses for students transferring from local universities in Lebanon to LAU. Please note that this guideline is not binding on the academic departments, as they may have additional factors to bring to the assessment of equivalence

Rafic Hariri University			Lebanese American University			
Arabic			Subject	Course #	Title	Credits
Course No.	Course Title	Credits				
ARAB 160	Survey in Arabic Heritage	3 credits	ELEC	100	Freshman Elective	3
ARAB 170	Basics of Arabic Grammar	3 credits	ELEC	100	Freshman Elective	3
ARAB 180	Arabic Reading and Writing	3 credits	ARA	101	Arabic Essay Read. & Writ. I	3
ARAB 300	Business Arabic	3 credits	ELEC	200	Elective	3
ARAB 330	Elementary Arabic	3 credits	ELEC	200	Elective	3

Business Administration			Subject	Course #	Title	Credits
Course No.	Course Title	Credits				
BADM 200	Introduction to Management	3 credits	MGT	201	Introduction to Management	3
BADM 202	Business Math	3 credits	ELEC	200	Elective	3
BADM 206	Organizational Behavior	3 credits	MGT	301	Organizational Behavior	3
BADM 207	Business Law	3 credits	BUS	213	Business Law and Ethics	3
BADM 220	Business Math and Statistics	3 credits	ELEC	200	Elective	3
BADM 222	Management and Marketing Review	3 credits	ELEC	200	Elective	3
BADM 300	Business Systems	3 credits	ELEC	200	Elective	3
BADM 302	Human Resource Management	3 credits	MGT	441	Human Resources Management	3
BADM 307	Labor Law and Relations	3 credits	MGT	450	Special Topics in Management	3
BADM 310	Business Statistics	3 credits	QBA	201	Managerial Statistics	3
BADM 330	Project Management	3 credits	MGT	401	Project Management	3
BADM 368	Entrepreneurship	3 credits	FEM	301	Entrepren. & Small Bus. Mgt.	3
BADM 395	Independent Studies	1-3 credits	ELEC	200	Elective	3
BADM 399	CO-OP Work Experience	3 credits	MGT	399	Management Internship	1
BADM 401	Operations Management	3 credits	OPM	301	Operation and Production Mgt.	3
BADM 411	Leadership	3 credits	MGT	301	Organizational Behavior	3
BADM 415	E-Business	3 credits	ELEC	200	Elective	3
BADM 435	Quality Management	3 credits	ELEC	200	Elective	3
BADM 460	Strategic Management	3 credits	MGT	450	Special Topics in Management	3
BADM 470	Health Care Systems and Management	3 credits	MGT	450	Special Topics in Management	3
BADM 490	Senior Project	3 credits	ELEC	200	Elective	3
BADM 500	Quantitative Analysis and Business Research	3 credits	BUS	311	Research Methods	3
BADM 510	Entrepreneurship and Investment Capital	3 credits	FEM	333	Venture Cap. & Entrepr. Fin.	3
BADM 590	Research Project	3 credits	ELEC	200	Elective	3

Information Technology Management			Subject	Course #	Title	Credits
Course No.	Course Title	Credits				
BCOP 222	Business Computing Essentials	3 credits	ELEC	200	Elective	3
BCOP 306	Internet and web Programming	3 credits	ITM	398	IT Emerging Topics	3
BCOP 331	Introduction to Programming and Programming Logic	3 credits	ITM	201	Computer Programming	3
BCOP 332	Database Management	3 credits	ITM	302	Data and Information Mgt.	3
BCOP 371	The Development Tools of Information Systems	3 credits	ITM	420	System Analysis and Design	3
BCOP 395	Independent Studies	1-3 credits	ITM	398	IT Emerging Topics	3
BCOP 415	Advanced Networking	3 credits	ITM	398	IT Emerging Topics	3
BCOP 426	Advanced C ++	3 credits	ELEC	200	Elective	3
BCOP 444	Networking	3 credits	ITM	301	Business Data Communication	3
BCOP 450	Programming Language	3 credits	ELEC	200	Elective	3
MIST 433	Technology Project Management	3 credits	ITM	403	Information Tech. Project Mgt.	3

Accounting & Finance			Subject	Course #	Title	Credits
Course No.	Course Title	Credits				
BFIN 230	Financial Accounting I	3 credits	ELEC	200	Elective	3
BFIN 231	Financial Accounting II	3 credits	ACC	203	Financial Accounting	3
BFIN 233	Financial Accounting	3 credits	ELEC	200	Elective	3
BFIN 330	Financial Management	3 credits	FIN	301	Managerial Finance	3
BFIN 333	Personal Finance	3 credits	ELEC	200	Elective	3
BFIN 340	Cost Accounting I	3 credits	ACC	204	Managerial Accounting	3
BFIN 341	Intermediate Accounting I	3 credits	ACC	311	Intermediate Accounting I	3
BFIN 344	Management Accounting	3 credits	ELEC	200	Elective	3
BFIN 395	Independent Studies	1-3 credits	ELEC	200	Elective	3
BFIN 440	Cost Accounting I	3 credits	ACC	302	Cost Accounting	3
BFIN 441	Intermediate Accounting II	3 credits	ACC	312	Intermediate Accounting II	3
BFIN 451	Financial Markets and Institutions	3 credits	FIN	302	Financial Institut. & Markets	3
BFIN 453	Auditing	3 credits	ACC	412	External Auditing	3
BFIN 456	Advanced Financial Accounting	3 credits	ACC	401	Advanced Accounting	3
BFIN 470	Taxation	3 credits	ACC	415	Tax Accounting	3
BFIN 500	Advanced Accounting Theory	3 credits	ELEC	200	Elective	3
BFIN 501	Advanced Financial Management	3 credits	FIN	413	Corporate Finance	3
BFIN 505	Portfolio Theory and Investment Analysis	3 credits	FIN	411	Security Analysis & Port. Mgt.	3
BFIN 510	International Business Finance	3 credits	FIN	322	Global Financial Management	3
BFIN 511	Taxation Systems in the Middle East	3 credits	ELEC	200	Elective	3
BFIN 515	Bank Management	3 credits	FIN	311	Banking Operations	3

Biology			Subject	Course #	Title	Credits
Course No.	Course Title	Credits				
BIOL 102	Introduction to Biology	3 credits	BIO	101	Introd. to Biological Sci.	4
BIOL 170	Basic Concepts in Biology	3 credits	BIO	101	Introd. to Biological Sci.	4
BIOL 220	Human Anatomy and Physiology	3 credits	BIO	343	Anatomy & Physiology	3
BIOL 211	General Biology	3 credits	BIO	201	General Biology I	4
BIOM 310	Biomedical Sensors	3 credits	ELEC	200	Elective	3
BIOM 311	Biomedical Instrumentation Design	3 credits	ELEC	200	Elective	3
BIOM 337	Biomedical Engineering Design I	3 credits	ELEC	200	Elective	3
BIOM 338	Biomedical Engineering Design Lab I	1 credit	ELEC	200	Elective	1
BIOM 399	CO-OP Work Experience	3 credits	ELEC	200	Elective	3
BIOM 431	Principles of Electronics Circuit Design	3 credits	ELEC	200	Elective	3
BIOM 432	Medical Imaging	3 credits	ELEC	200	Elective	3
BIOM 433	Biofluid Mechanics	3 credits	PHY	301	Classical Physics for Life Sc.	3
BIOM 438	Biomedical Engineering Design Lab. II	3 credits	ELEC	200	Elective	3
BIOM 443	Bioengineering Neurology	3 credits	BIO	489	Seminar in Biology	1
BIOM 453	Neuromotor Control	3 credits	BIO	489	Seminar in Biology	1
BIOM 457	Advanced Biomedical Instrumentation	3 credits	ELEC	200	Elective	3

BIOM 458	Clinical Laboratory Instrumentation	3 credits	ELEC	200	Elective	3
BIOM 459	Radio Frequency Applications in Biomedical Engineering	3 credits	ELEC	200	Elective	3
BIOM 460	Human Physiology I	3 credits	BIO	343	Anatomy & Physiology	3
BIOM 461	Human Physiology II	3 credits	BIO	343	Anatomy & Physiology	3
BIOM 462	Analysis of Physiological Models	3 credits	ELEC	200	Elective	3
BIOM 463	Advanced Topics in Biomedical Instrumentation	3 credits	ELEC	200	Elective	3
BIOM 465	Biomedical Signal Processing	3 credits	ELEC	200	Elective	3
BIOM 467	Advanced Biomedical Signal Processing	3 credits	ELEC	200	Elective	3
BIOM 469	Multidimensional Biomedical Time Series Analysis	3 credits	ELEC	200	Elective	3
BIOM 471	Advanced Topics in Biomedical Computing	3 credits	ELEC	200	Elective	3
BIOM 472	Rehabilitation Engineering: Prosthetics, Orthotics, Seating and Positioning	3 credits	ELEC	200	Elective	3
BIOM 473	Bioelectric Phenomena	3 credits	ELEC	200	Elective	3
BIOM 480	Biomedical Servicing	3 credits	ELEC	200	Elective	3
BIOM 490	BS Project	3 credits	BIO	499	Senior Study - Biology	3
BIOM 510	Advanced Therapeutic Devices	3 credits	ELEC	200	Elective	3
BIOM 520	Health-care Facility Management	3 credits	ELEC	200	Elective	3
BIOM 525	Clinical Engineering	3 credits	ELEC	200	Elective	3
BIOM 530	Computer Simulations for Life Sciences	3 credits	ELEC	200	Elective	3
BIOM 540	Advanced Bio-signal and Image Processing	3 credits	ELEC	200	Elective	3
BIOM 545	Advanced Medical Imaging	3 credits	ELEC	200	Elective	3
BIOM 550	Microcontrollers and Embedded Systems	3 credits	ELEC	200	Elective	3
BIOM 565	Introduction to E-Health Care	3 credits	ELEC	200	Elective	3
BIOM 570	Biomaterials	3 credits	ELEC	200	Elective	3
BIOM 575	Bio-fluids	3 credits	ELEC	200	Elective	3
BIOM 580	Bio-engineering seminar	3 credits	ELEC	200	Elective	3
BIOM 597	Advanced Topics in Bioelectronics Engineering	3 credits	ELEC	200	Elective	3

#### Marketing

Course No.	Course Title	Credits
BMKT 261	Introduction to Marketing	3 credits
BMKT 360	Marketing Research	3 credits
BMKT 363	Sales Management	3 credits
BMKT 395	Independent Studies	1-3 credits
BMKT 462	Event Marketing and Management	3 credits
BMKT 464	Consumer Behavior	3 credits
BMKT 465	Strategic Marketing	3 credits
BMKT 466	Service Marketing	3 credits
BMKT 467	Advertising Theories and Strategies	3 credits
BMKT 500	Consumer Driven Marketing	3 credits
BMKT 505	Branding and Franchising	3 credits

Subject	Course #	Title	Credits
MKT	201	Introduction to Marketing	3
MKT	421	Marketing Research	3
MKT	488	Topics in Marketing	3
ELEC	200	Elective	3
MKT	488	Topics in Marketing	3
MKT	304	Consumer Behavior	3
MKT	498	Marketing Strategy	3
MKT	305	Services Marketing	3
MKT	302	Integrated Marketing Com.	3
MKT	488	Topics in Marketing	3
MKT	488	Topics in Marketing	3

#### Computer and Communication Engineering

Course No.	Course Title	Credits
CCEE 210	Logic Design	3credits
CCEE 211	Logic Design Lab	1 credit
CCEE 312	Microprocessors and Microcontrollers	3credits
CCEE 313	Computer Architecture	3credits
CCEE 320	Signals and Systems	3credits
CCEE 321	Communication Systems	3credits
CCEE 330	Signal Processing	3credits
CCEE 399	Co-op Work Experience	4 credits
CCEE 414	Design of Embedded Systems	3credits
CCEE 415	Communication and Networks Labs	2 credits
CCEE 422	Communication Networks	3credits
CCEE 442	Database Management Systems	3credits
CCEE 443	Software Engineering	3credits
CCEE 444	Operating System	3credits
CCEE 445	Optics and Laser	3credits
CCEE 446	Mobile Communication	3credits
CCEE 448	Introduction to Antenna Theory	3credits
CCEE 452	Computer Vision	3credits
CCEE 466	introduction to Optical Communication	3credits
CCEE 453	Multimedia Systems	3credits
CCEE 461	Internet Engineering and Web Programming	3credits
CCEE 480	Fundamentals of Nanotechnology	3credits
CCEE 485	Digital communication	3credits
CCEE 490	BS Project	3credits
CCEE 498	Special Topics in Computer and Communication Engineering	3credits
CCEE 516	Advanced Computer Architecture	3credits
CCEE 517	Satellite Communication Systems	3credits
CCEE 518	Computer Network Security	3credits
CCEE 523	Antennas and Propagation	3credits
CCEE 522	Advanced Communication Systems	3credits
CCEE 525	Wireless Communication	3credits
CCEE 526	Microwave Communication	3credits
CCEE 529	Advanced Mobile Communications	3credits
CCEE 550	Optoelectronic Devices	3credits
CCEE 551	Digital Signal Processing	3credits
CCEE 560	Optical Networks Design	3credits
CCEE 580	Nanotechnology Devices and Applications	3credits
CCEE 581	Digital Image Processing	3credits
CCEE 585	Antenna Processing	3credits
CCEE 583	Robotics	3credits
CCEE 597	Advanced Topics in Computer and Communication Engineering	3credits

Subject	Course #	Title	Credits
ELEC	200	Elective	3
ELEC	200	Elective	1
ELEC	200	Elective	3
ELEC	200	Elective	3
ELEC	200	Elective	3
ELEC	200	Elective	3
ELEC	200	Elective	3
ELEC	200	Elective	3
ELEC	200	Elective	4
ELEC	200	Elective	3
ELEC	200	Elective	2
ELEC	200	Elective	3
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ELEC	200	Elective	3

#### Chemistry

Course No.	Course Title	Credits
CHEM 160	Chemistry I	4credits
CHEM 170	Chemistry II	4credits
CHEM 211	Environmental Chemistry	3credits
CHEM 212	General Chemistry	3credits

Subject	Course #	Title	Credits
CHM	101	General Chemistry	4
CHM	101	General Chemistry	4
CHM	340	Environmental Chemistry	3
CHM	201	Chemical Principles	3

#### Civil and Environmental Engineering



COSC 399	CO-OP Work Experience	3credits
COSC 421	Theory of Computation	3credits
COSC 422	Advanced Data Structure and Algorithms	3credits
COSC 423	Object Oriented Programming	3credits
COSC 424	Compiler Design	3credits
COSC 425	Flash Technology	3credits
COSC 450	Java Programming	3credits
COSC 451	Operating Systems	3credits
COSC 462	Networking II	3credits
COSC 470	Search Engine Optimization	3credits
COSC 481	Artificial Intelligence	3credits
COSC 473	Developing Mobile Applications	3credits
COSC 498	Special Topics	3credits
COSC 490	Senior Project	3credits
CMPT 384	Visual Basic	3credits
CMPT 436	Web Programming and Design	3credits

**Civilization**

Course No.	Course Title	Credits
CVLN 160	Monotheistic religions: a comparative study	3credits
CVLN 161	The Arabs	3credits
CVLN 170	God and Creation: East and West	3credits
CVLN 180	Youth and the Growing Up Process	3credits
CVLN 181	Arab Renaissance	3credits
CVLN 190	Freshman ArHistory	3credits
CVLN 301	Civilization Studies I	3credits
CVLN 302	Civilization Studies II	3credits
CVLN 303	Civilization Studies III	3credits

**Economics**

Course No.	Course Title	Credits
ECON 190	Introduction to Economics	3credits
ECON 311	Microeconomics	3credits
ECON 312	Macroeconomics	3credits
ECON 333	Microeconomics and Macroeconomics	3credits
ECON 407	Managerial Economics	3credits
ECON 500	Business and Managerial Economics	3credits
ECON 505	Globalization and International Business	3credits
ECON 506	Monetary Theory	3credits
ECON 510	Environmental Economics	3credits

**Electrical Engineering**

Course No.	Course Title	Credits
ELEC 210	Electrical Circuits	3credits
ELEC 211	Electrical Circuits Lab	1 credit
ELEC 320	Electronics	3credits
ELEC 321	Electronics Lab	1 credit
ELEC 340	Engineering Electromagnetics	3credits
ELEC 341	Measurement and Instrumentation	3credits
ELEC 350	Power Systems	3credits
ELEC 401	Modeling and Simulation	3credits
ELEC 410	Electronic Properties of Material	3credits
ELEC 411	Electric Machines	3credits
ELEC 412	Power Electronics	3credits
ELEC 414	Controls, Measurement and Embedded Systems Lab	3credits
ELEC 415	Electric Power Lab	2 credits
ELEC 420	Introduction to Renewable Energy Systems	3credits
ELEC 430	Electrical System Design	3credits
ELEC 440	Switching	3credits
ELEC 442	High Voltage Engineering	3credits
ELEC 444	Electrical Power Distribution	3credits
ELEC 445	Power System Protection	3credits
ELEC 450	Electronic Circuit Design	3credits
ELEC 452	Switched Mode Power Supply Design	3credits
ELEC 453	Electromagnetic Compatibility	3credits
ELEC 471	Control Systems, 3 credits	3credits
ELEC 472	Computer Aided Design for Electrical Engineers	3credits
ELEC 490	BS Project	3credits
ELEC 498	Special Topics in Electrical Engineering	3credits
ELEC 530	Nonlinear Adaptive Control	3credits
ELEC 531	Advanced Control Systems	3credits
ELEC 560	Lasers and Laser Applications in Engineering	3credits
ELEC 572	Advanced Power System Analysis	3credits
ELEC 580	Advanced Power Electronics	3credits
ELEC 581	Advanced Electric Machines and Drives	3credits
ELEC 586	Finite Elements for Electromagnetic Application	3credits
ELEC 587	Artificial Neural Systems	3credits
ELEC 588	Renewable Energy Systems	3credits
ELEC 589	Advanced Electric Lab	3credits
ELEC 599	Application of Power Electronic in Power Systems	3credits

**English**

Course No.	Course Title	Credits
ENGL 101	Freshman English	3credits
ENGL 203	Introduction to English Drama	3credits
ENGL 210	English Composition and Rhetoric	3credits
ENGL 211	Business Communication Skills	3credits
ENGL 212	Technical Communication Skills	3credits
ENGL 213	Creative Writing	3credits
ENGL 214	Introduction to English Poetry	3credits
ENGL 215	Introduction to American Literature	3credits
ENGL 216	Beginning Translation	3credits
ENGL 217	Professional English Writing	3credits
ENGL 220	Introduction to Literature	3credits
ENGL 230	Shakespeare's Plays	3credits

**General Engineering**

CSC	491	Professional Experience	1
ELEC	385	CSC Technical Elective	3
ELEC	385	CSC Technical Elective	3
ELEC	200	Elective	3
ELEC	385	CSC Technical Elective	3
ELEC	385	CSC Technical Elective	3
CSC	243	Intr. Object Oriented Program	3
CSC	326	Operating Systems	3
ELEC	385	CSC Technical Elective	3
ELEC	385	CSC Technical Elective	3
CSC	460	Artificial Intelligence	3
ELEC	385	CSC Technical Elective	3
CSC	498	Top.CSC:Functional Programming	3
CSC	599	Capstone Project	3
ELEC	200	Elective	3
CSC	443	Web Programming	3

Subject	Course #	Title	Credits
ELEC	100	Freshman Elective	3
ELEC	100	Freshman Elective	3
ELEC	100	Freshman Elective	3
ELEC	100	Freshman Elective	3
ELEC	100	Freshman Elective	3
ELEC	100	Freshman Elective	3
ELEC	100	Freshman Elective	3
CST	201	Cultural Studies I	3
CST	202	Cultural Studies II	3
CST	203	Cultural Studies III	3

Subject	Course #	Title	Credits
ECO	101	Survey of Economics	3
ECO	201	Micro Economics	3
ECO	202	Macro Economics	3
ELEC	200	Elective	3
ECO	301	Managerial Economics	3
ELEC	200	Elective	3
ELEC	200	Elective	3
ECO	420	Monetary Theory & Policy	3
ECO	320	Environ., Res., & Energy Eco.	3

Subject	Course #	Title	Credits
ELE	201	Electrical Circuits I	3
ELEC	200	Elective	1
ELEC	200	Elective	3
ELEC	200	Elective	1
ELEC	200	Elective	3
ELEC	200	Elective	3
ELEC	200	Elective	3
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Subject	Course #	Title	Credits
ENG	101	Academic English I	3
ENG	323	Renaissance Drama	3
ENG	102	Academic English II	3
BUS	202	Business Communication	3
ELEC	200	Elective	3
ENG	366	Creative Writing	3
ENG	331	Poetry Writing	3
ENG	352	20th-Century American Novel	3
ELEC	200	Elective	3
ENG	102	Academic English II	3
ENG	216	Introduction to Literature	3
ENG	323	Renaissance Drama	3





	Formal Methods and Models in Software Engineering	3 credits	ELEC	200	Elective	3
SWET 427	Software Engineering Economics	3 credits	ELEC	200	Elective	3
SWET 430	Object-Oriented Design Patterns	3 credits	ELEC	200	Elective	3
SWET 431	User Interface Design and Development	3 credits	ELEC	200	Elective	3
SWET 432	Human Computer Interaction	3 credits	ELEC	200	Elective	3
SWET 441	Component-Based Software Development	3 credits	ELEC	200	Elective	3
SWET 445	Client-Server Computing	3 credits	ELEC	200	Elective	3
SWET 451	Web Page Authoring and Design	3 credits	ELEC	200	Elective	3
SWET 453	Computer and Network Security	3 credits	ELEC	200	Elective	3
SWET 454	Hardware-Software Interfacing	3 credits	ELEC	200	Elective	3
SWET 461	Senior Project	3 credits	ELEC	200	Elective	3
SWET 490	Special Topics	3 credits	ELEC	200	Elective	3
SWET 498						