Plan of Study 1, UPC Admission Student, Autumn Start, UPC & Purdue Award (120 ECTS credits, 63 credit hours)			redits, 63 credit hours)
Sem 1, UPC Autumn	Sem 2, DIT Spring	Sem 3, Purdue Autumn	Sem 4, Purdue Spring
Core Modules/Courses	Core Modules/Courses*	Core Modules/Courses	
Environmental and Ecological Economics	MECH 9002 Innovation and Knowledge Management	TECH 646 Analysis of Research in Industry and Technology	TECH 621 Building a Philosophy of Technology
Systems Thinking and Complexity	or REEN 2215 Renewable Energy Technologies	STAT 501 Experimental Statistics I	
Ecology and Natural Resource Mgmt.			
Human Sustainable Development	Irish Cultural Studies		
Urban Ecology and Land Use Planning	English (If required)	English (If required)	English (If required)
Culture, Technology and Innovation	Joint Directed Project (Engagement in directed project can start at the start of this semester)	Joint Directed Project (Engagement in directed project must start no later than the start of this semester)	Joint Directed Project (Must be completed by the end of this semester)
Elective Modules/Courses (No elective modules in this semester)	Elective Modules/Courses (3 of the following if English not required. 2 of the following, if English is required)	Elective Modules/Courses (3 of the following if English not required. 1 of the following, if English is required) (1 and no more than 1 elective must be selected from the cultural courses listed)	
English support (if required)	Whichever module above is not selected as core can be considered when choosing an elective.	IT 507 Measurement & Evaluation in Industry & Technology	
	ENER 1702 Energy Supply	IT 590 Special Problems in Industrial Technology	
	MECH 9010 Applied Surface Engineering	IT 623 Contemporary Industrial Technology Problems	
	SSPL 9055 Sustainable Construction	IT 668 Administering Technical Programs	
	SSPL 9030 Env. Design & Mgmt.	ECET 581C Efficient Energy Systems	
	BITE 2216 Biomass Technology/Biofuels	CIT 550 Organizational Impact of Information Technology	
	CBEM 1404 Artificial Intelligence	CIT 551 Information Technology Economics	
	MECH 9000 Advanced Dynamics	Culture courses, e.g. HIST 58400, SOC 51400, SOC 51500, SOC 52000	
	CBEM 1415 Computer Aided Design and Eng.	English courses, e.g. ENGL 62100, ENGL 62000, ENGL 10600	
	ADEN 2211 Advanced Energy Systems		
	ENCO 1104 Energy Conversion and Use		
	MECH 9013 Computational Fluid Dynamics		
	MECH 9014 Heat and Mass Transfer		
	CBEM 1412 Engineering Systems Simulations		
	Other suitable electives	Other suitable	e electives

Notes: Awards on completion: UPC MSc (Sustainability) and Purdue University MSc (Technology).













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^{*} Students must take Irish Cultural Studies and one other core module listed.

Plan of Study 2, U	JPC Admission Student, Spring Start, L	JPC & Purdue Award (120 ECTS cr	edits, 63 credit hours)
Sem 1, UPC Spring	Sem 2, Purdue Autumn	Sem 3, Purdue Spring	Sem 4, DIT Autumn
Core Modules/Courses	Core Modules/Courses		Core Modules/Courses
Measuring for Sustainability	TECH 646 Analysis of Research in Industry and Technology	TECH 621 Building a Philosophy of Technology	MECH 9001 Entrepreneurship for Engineers
Human Development Models	STAT 501 Experimental Statistics I		Irish Cultural Studies
Natural Resources	MET 527 Technology from a Global Perspective		
Environmental Policy			
English (If required)	English (If required)	English (If required)	English (If required)
	Joint Directed Project (Engagement in directed project can start at the start of this semester)	Joint Directed Project (Engagement in directed project must start no later than the start of this semester)	Joint Directed Project (Must be completed by the end of this semester)
Elective Modules/Courses (2 of the following if English not required. 1 of the following, if English is required)	Elective Modul (4 of the following if English not required. 2 (1 and no more than 1 elective must be se	2 of the following, if English is required)	Elective Modules/Courses (1 of the following if English not required. If English is required then no elective)
Social and Environmental Aspects of Information Technology	IT 507 Measurement & Evaluati	<u> </u>	MECH 9016 Renewable and Alternative Energy Technologies
Energy Efficiency in Construction	IT 590 Special Problems in Industrial Technology		MECH 9015 Sustainable Energy Sys.
	IT 623 Contemporary Industr		SSPL 9062 Society & Sustainable Dev.
	IT 668 Administering Technical Programs		SSPL 9034 Case Studies in Sustainability
	ECET 581C Efficient		SPEC 9160 Problem Solving, Communication and Innovation
	CIT 550 Organizational Impact of Information Technology		SSPL 9028 Ecology
	CIT 551 Information Ted	chnology Economics	CBEM 1423 Intro. to Numerical Methods
International Seminar on Sustainable Innovation: Organizations (February)	Culture courses, e.g. HIST 58400, SOC 51400, SOC 51500, SOC 52000		CBEM 1409 Graphics and Computer Modelling
International Seminar on Sustainable Innovation: Technology (June)	English courses, e.g. ENGL 62100, ENGL 62000, ENGL 10600		CBEM 1413 Engineering Analysis 1
			MECH 9017 Biomechanics
	Other suitable	e electives	Other suitable electives

Notes: Awards on completion: UPC MSc (Sustainability) and Purdue University MSc (Technology). This plan of study is not available at present.













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Plan of Study 3, Purdue Adm	nission Student, Fall Start, End in Dl	T, DIT or UPC, & Purdue Award (120	ECTS credits, 63 credit hours)
Sem 1, Purdue Fall	Sem 2, Purdue Spring	Sem 3, UPC Fall	Sem 4, DIT Spring
Core Courses/Modules		Core Courses/Modules	Core Courses/Modules
TECH 621 Building a Philosophy of Technology	TECH 646 Analysis of Research in Industry and Technology	Environmental and Ecological Economics	MECH 9002 Innovation and Knowledge Management
MET 527 Technology from a Global Perspective		Culture, Technology and Innovation	or REEN 2215 Renewable Energy Technologies
STAT 501 Experimental Statistics I		Systems Thinking and Complexity	
		Human Sustainable Development	
Spanish (If required)	Spanish (If required)	Spanish (If required)	Irish Cultural Studies
		Orientation-Cultural Week	1::(5::(15::(44.4)
	Joint Directed Project (Engagement in directed project must start no later than the start of this semester)	Joint Directed Project	Joint Directed Project (Must be completed by the end of this semester and student must be registered on DIT module STIP 5001 if working toward a DIT award)
(4 of the following if Spanish not requir	ourses/Modules red. 2 of the following, if Spanish is required) be selected from the cultural courses listed)	Elective Courses/Modules (2 of the following if Spanish not required. 1 of the following, if Spanish is required)	Elective Courses/Modules (1 of the following)
IT 507 Measurement & Eva	IT 507 Measurement & Evaluation in Industry & Technology		Whichever module above is not selected as core can be considered when choosing an elective.
IT 590 Special Proble	ems in Industrial Technology	Urban ecology and Land Use Planning	ENER 1702 Energy Supply
IT 623 Contemporary In	dustrial Technology Problems	Sustainable Unban Planning Social and Environmental Aspects of Information	MECH 9010 Applied Surface Engineering
IT 668 Administer	IT 668 Administering Technical Programs		SSPL 9055 Sustainable Construction
	icient Energy Systems	Bioclimatics Architecture	SSPL 9030 Env. Design & Mgmt.
	npact of Information Technology	Global Democratic Governance	BITE 2216 Biomass Technology/Biofuels
	n Technology Economics		CBEM 1404 Artificial Intelligence
Culture courses, e.g. HIST 58400	0, SOC 51400, SOC 51500, SOC 52000		MECH 9000 Advanced Dynamics
			CBEM 1415 Computer Aided Design and Eng.
			ADEN 2211 Advanced Energy Systems
			ENCO 1104 Energy Conversion and Use
			MECH 9013 Computational Fluid Dynamics
			MECH 9014 Heat and Mass Transfer
			CBEM 1412 Engineering Systems Simulations
Other su	itable electives		Other suitable electives

Notes: Awards on completion: UPC MSc (Sustainability) or DIT MSc in Sustainability, Technology and Innovation and Purdue University MSc (Technology). Whether a DIT or UPC award accrues on completion will be decided by the programme committee in consultant with each individual student.

* Students must take Irish Cultural Studies and one other core module listed.













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Plan of Study 4, Purdue Admission Student, Fall Start, End in UPC, DIT & Purdue Award (120 ECTS credits, 63 credit hours)			
Sem 1, Purdue Fall	Sem 2, Purdue Spring	Sem 3, DIT Fall	Sem 4, UPC Spring
Core Courses/Modules		Core Courses/Modules*	Core Courses/Modules
TECH 621 Building a Philosophy of Technology	TECH 646 Analysis of Research in Industry and Technology	MECH 9016 Renewable and Alternative Energy Technologies	Measuring for Sustainability
STAT 501 Experimental Statistics I		or MECH 9015 Sustainable Energy Sys.	Human Development Models
MET 527 Technology from a Global Perspective		or SPEC 9160 Problem Solving, Communication and Innovation	
		or SSPL 9062 Society & Sustainable Dev.	
		or SSPL 9034 Case Studies in Sustainability	
		or MECH 9001 Entrepreneurship for Engineers	
		or SSPL 9028 Ecology	0:
0 :1 (1/	0 :1 (((:))	and Irish Cultural Studies	Orientation-Cultural Week
Spanish (If required)	Spanish (If required)	Spanish (If required)	Spanish (If required)
	Joint Directed Project	Joint Directed Project (Engagement in directed	Joint Directed Project (Must be completed by the end of this semester and student must be
	(Engagement in directed project can start at the start of this semester)	project must start no later than the start of this semester)	registered on DIT module STIP 5001)
		7	, , , , , , , , , , , , , , , , , , ,
Elective C	ourooc/Moduloc		
(5 of the following if Spanish not requir	ourses/Modules red. 3 of the following, if Spanish is required) be selected from the cultural courses listed)	Elective Courses/Modules (1 of the following if Spanish not required. If Spanish is required then no elective)	Elective Courses/Modules (1 of the following if Spanish not required. If Spanish is required then no elective)
(5 of the following if Spanish not requir (1 and no more than 1 elective must	red. 3 of the following, if Spanish is required)	(1 of the following if Spanish not required. If	(1 of the following if Spanish not required. If
(5 of the following if Spanish not requir (1 and no more than 1 elective must I	red. 3 of the following, if Spanish is required) be selected from the cultural courses listed)	(1 of the following if Spanish not required. If Spanish is required then no elective) The modules from the above Core Modules list not selected as core modules can be considered when choosing an elective. CBEM 1413 Engineering Analysis 1	(1 of the following if Spanish not required. If Spanish is required then no elective) Social and Environmental Aspects of Information
(5 of the following if Spanish not requir (1 and no more than 1 elective must I IT 507 Measurement & Eva IT 590 Special Proble	ed. 3 of the following, if Spanish is required) be selected from the cultural courses listed) aluation in Industry & Technology	(1 of the following if Spanish not required. If Spanish is required then no elective) The modules from the above Core Modules list not selected as core modules can be considered when choosing an elective.	(1 of the following if Spanish not required. If Spanish is required then no elective) Social and Environmental Aspects of Information Technology
(5 of the following if Spanish not requir (1 and no more than 1 elective must I IT 507 Measurement & Eva IT 590 Special Proble IT 623 Contemporary In	ed. 3 of the following, if Spanish is required) be selected from the cultural courses listed) aluation in Industry & Technology ems in Industrial Technology	(1 of the following if Spanish not required. If Spanish is required then no elective) The modules from the above Core Modules list not selected as core modules can be considered when choosing an elective. CBEM 1413 Engineering Analysis 1	(1 of the following if Spanish not required. If Spanish is required then no elective) Social and Environmental Aspects of Information Technology Energy Efficiency in Construction Natural Resources Environmental Policy
(5 of the following if Spanish not requir (1 and no more than 1 elective must) IT 507 Measurement & Eva IT 590 Special Proble IT 623 Contemporary In IT 668 Administer	ed. 3 of the following, if Spanish is required) be selected from the cultural courses listed) aluation in Industry & Technology ems in Industrial Technology idustrial Technology Problems	(1 of the following if Spanish not required. If Spanish is required then no elective) The modules from the above Core Modules list not selected as core modules can be considered when choosing an elective. CBEM 1413 Engineering Analysis 1 CBEM 1409 Graphics and Computer Modelling	(1 of the following if Spanish not required. If Spanish is required then no elective) Social and Environmental Aspects of Information Technology Energy Efficiency in Construction Natural Resources
(5 of the following if Spanish not requir (1 and no more than 1 elective must l IT 507 Measurement & Eva IT 590 Special Proble IT 623 Contemporary In IT 668 Administer ECET 581C Effi	ed. 3 of the following, if Spanish is required) be selected from the cultural courses listed) aluation in Industry & Technology ems in Industrial Technology dustrial Technology Problems ing Technical Programs	(1 of the following if Spanish not required. If Spanish is required then no elective) The modules from the above Core Modules list not selected as core modules can be considered when choosing an elective. CBEM 1413 Engineering Analysis 1 CBEM 1409 Graphics and Computer Modelling CBEM 1423 Intro. to Numerical Methods	(1 of the following if Spanish not required. If Spanish is required then no elective) Social and Environmental Aspects of Information Technology Energy Efficiency in Construction Natural Resources Environmental Policy International Seminar on Sustainable Innovation:
(5 of the following if Spanish not requir (1 and no more than 1 elective must I IT 507 Measurement & Eva IT 590 Special Proble IT 623 Contemporary In IT 668 Administer ECET 581C Effi CIT 550 Organizational In	ed. 3 of the following, if Spanish is required) be selected from the cultural courses listed) aluation in Industry & Technology sms in Industrial Technology dustrial Technology Problems ing Technical Programs icient Energy Systems npact of Information Technology n Technology Economics	(1 of the following if Spanish not required. If Spanish is required then no elective) The modules from the above Core Modules list not selected as core modules can be considered when choosing an elective. CBEM 1413 Engineering Analysis 1 CBEM 1409 Graphics and Computer Modelling CBEM 1423 Intro. to Numerical Methods	(1 of the following if Spanish not required. If Spanish is required then no elective) Social and Environmental Aspects of Information Technology Energy Efficiency in Construction Natural Resources Environmental Policy International Seminar on Sustainable Innovation: Organizations (February) International Seminar on Sustainable Innovation:
(5 of the following if Spanish not requir (1 and no more than 1 elective must I IT 507 Measurement & Eva IT 590 Special Proble IT 623 Contemporary In IT 668 Administer ECET 581C Effi CIT 550 Organizational In	ed. 3 of the following, if Spanish is required) be selected from the cultural courses listed) aluation in Industry & Technology ems in Industrial Technology dustrial Technology Problems ring Technical Programs icient Energy Systems hpact of Information Technology	(1 of the following if Spanish not required. If Spanish is required then no elective) The modules from the above Core Modules list not selected as core modules can be considered when choosing an elective. CBEM 1413 Engineering Analysis 1 CBEM 1409 Graphics and Computer Modelling CBEM 1423 Intro. to Numerical Methods	(1 of the following if Spanish not required. If Spanish is required then no elective) Social and Environmental Aspects of Information Technology Energy Efficiency in Construction Natural Resources Environmental Policy International Seminar on Sustainable Innovation: Organizations (February) International Seminar on Sustainable Innovation:
(5 of the following if Spanish not requir (1 and no more than 1 elective must I IT 507 Measurement & Eva IT 590 Special Proble IT 623 Contemporary In IT 668 Administer ECET 581C Effi CIT 550 Organizational In	ed. 3 of the following, if Spanish is required) be selected from the cultural courses listed) aluation in Industry & Technology sms in Industrial Technology dustrial Technology Problems ing Technical Programs icient Energy Systems npact of Information Technology n Technology Economics	(1 of the following if Spanish not required. If Spanish is required then no elective) The modules from the above Core Modules list not selected as core modules can be considered when choosing an elective. CBEM 1413 Engineering Analysis 1 CBEM 1409 Graphics and Computer Modelling CBEM 1423 Intro. to Numerical Methods	(1 of the following if Spanish not required. If Spanish is required then no elective) Social and Environmental Aspects of Information Technology Energy Efficiency in Construction Natural Resources Environmental Policy International Seminar on Sustainable Innovation: Organizations (February) International Seminar on Sustainable Innovation:
(5 of the following if Spanish not requir (1 and no more than 1 elective must I IT 507 Measurement & Eva IT 590 Special Proble IT 623 Contemporary In IT 668 Administer ECET 581C Effi CIT 550 Organizational In CIT 551 Informatio Culture courses, e.g. HIST 58400	ed. 3 of the following, if Spanish is required) be selected from the cultural courses listed) aluation in Industry & Technology sms in Industrial Technology dustrial Technology Problems ing Technical Programs icient Energy Systems npact of Information Technology n Technology Economics	(1 of the following if Spanish not required. If Spanish is required then no elective) The modules from the above Core Modules list not selected as core modules can be considered when choosing an elective. CBEM 1413 Engineering Analysis 1 CBEM 1409 Graphics and Computer Modelling CBEM 1423 Intro. to Numerical Methods	(1 of the following if Spanish not required. If Spanish is required then no elective) Social and Environmental Aspects of Information Technology Energy Efficiency in Construction Natural Resources Environmental Policy International Seminar on Sustainable Innovation: Organizations (February) International Seminar on Sustainable Innovation:

Notes: Awards on completion: DIT MSc in Sustainability, Technology and Innovation and Purdue University MSc (Technology).













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^{*} Students must take Irish Cultural Studies and one other core module listed.

Plan of Study 5, Purdue Admission Student, Spring Start, End in UPC, DIT & Purdue Award (120 ECTS credits, 63 credit hours)			
Sem 1, Purdue Spring	Sem 2, Purdue Fall	Sem 3, DIT Spring	Sem 4, UPC Fall
Core Courses/Modules		Core Courses/Modules	Core Courses/Modules
TECH 621 Building a Philosophy of Technology	TECH 646 Analysis of Research in Industry and Technology	MECH 9002 Innovation and Knowledge Management	Human Sustainable Development
STAT 501 Experimental Statistics I	-	or REEN 2215 Renewable Energy Technologies	Culture, Technology and Innovation
MET 527 Technology from a Global Perspective		Irish Cultural Studies	Orientation-Cultural Week
Spanish (If required)	Spanish (If required)	Spanish (If required)	Spanish (If required)
	Joint Directed Project (Engagement in directed project can start at the start of this semester)	Joint Directed Project (Engagement in directed project must start no later than the start of this semester)	Joint Directed Project (Must be completed by the end of this semester and student must be registered on DIT module STIP 5001)
(4 of the following if Spanish not requir	ourses/Modules ed. 2 of the following, if Spanish is required) be selected from the cultural courses listed)	Elective Courses/Modules (2 of the following if Spanish not required. 1 of the following, if Spanish is required)	Elective Courses/Modules (1 of the following if Spanish not required. If Spanish is required then no elective)
IT 507 Measurement & Eva	aluation in Industry & Technology	Whichever module above is not selected as core can be considered when choosing an elective.	Ecology and Natural Resource Mgmt.
	ems in Industrial Technology	ENER 1702 Energy Supply	Urban Ecology and Land Use Planning
	dustrial Technology Problems	MECH 9010 Applied Surface Engineering	Environmental and Ecological Economics
IT 668 Administer	ing Technical Programs	SSPL 9055 Sustainable Construction	Systems Thinking and Complexity
	ECET 581C Efficient Energy Systems		Social and Environmental Aspects of Information Technology
	npact of Information Technology	BITE 2216 Biomass Technology/Biofuels	
	n Technology Economics	CBEM 1404 Artificial Intelligence	
Culture courses, e.g. HIST 58400	0, SOC 51400, SOC 51500, SOC 52000	MECH 9000 Advanced Dynamics	
		CBEM 1415 Computer Aided Design and Eng.	
		ADEN 2211 Advanced Energy Systems	
		ENCO 1104 Energy Conversion and Use MECH 9013 Computational Fluid Dynamics	
		CBEM 1412 Engineering Systems Simulations	
Other suitable electives		Other suitable electives	

Notes: Awards on completion: DIT MSc in Sustainability, Technology and Innovation and Purdue University MSc (Technology).













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^{*} Students must take Irish Cultural Studies and one other core module listed.

Plan of Study 6, Purdue Admission Student, Spring Start, End in DIT, DIT & Purdue Award (120 ECTS credits, 63 credit hours			ECTS credits, 63 credit hours)
Sem 1, Purdue Spring	Sem 2, Purdue Fall	Sem 3, UPC Spring	Sem 4, DIT Fall
Core Courses/Modules		Core Courses/Modules	Core Courses/Modules*
TECH 621 Building a Philosophy of Technology	TECH 646 Analysis of Research in Industry and Technology	Measuring for Sustainability	MECH 9016 Renewable and Alternative Energy Technologies
STAT 501 Experimental Statistics I		Human Development Models	or MECH 9015 Sustainable Energy Sys.
MET 527 Technology from a Global Perspective			or MECH 9001 Entrepreneurship for Engineers
			or SSPL 9062 Society & Sustainable Dev.
			or SSPL 9034 Case Studies in Sustainability
			or SPEC 9160 Problem Solving, Communication and Innovation
		Orientation-Cultural Week	or SSPL 9028 Ecology
Spanish (If required)	Spanish (If required)	Spanish (If required)	and Irish Cultural Studies
	Joint Directed Project (Engagement in directed project can start at the start of this semester)	Joint Directed Project (Engagement in directed project must start no later than the start of this semester)	Joint Directed Project (Must be completed by the end of this semester and student must be registered on DIT module STIP 5001)
(4 of the following if Spanish not requir	ourses/Modules red. 2 of the following, if Spanish is required) be selected from the cultural courses listed)	Elective Courses/Modules (2 of the following if Spanish not required. 1 of the following, if Spanish is required)	Elective Courses/Modules (1 of the following)
(4 of the following if Spanish not requir (1 and no more than 1 elective must	red. 2 of the following, if Spanish is required)	(2 of the following if Spanish not required. 1 of	
(4 of the following if Spanish not requir (1 and no more than 1 elective must) IT 507 Measurement & Evi	ed. 2 of the following, if Spanish is required) be selected from the cultural courses listed) aluation in Industry & Technology ems in Industrial Technology	(2 of the following if Spanish not required. 1 of the following, if Spanish is required) Social and Environmental Aspects of Information Technology Energy Efficiency in Construction	(1 of the following) The modules from the above Core Modules list not selected as core modules can be considered when choosing an elective.
(4 of the following if Spanish not requir (1 and no more than 1 elective must) IT 507 Measurement & Evi IT 590 Special Proble IT 623 Contemporary In	ed. 2 of the following, if Spanish is required) be selected from the cultural courses listed) aluation in Industry & Technology ems in Industrial Technology idustrial Technology Problems	(2 of the following if Spanish not required. 1 of the following, if Spanish is required) Social and Environmental Aspects of Information Technology Energy Efficiency in Construction Natural Resources	(1 of the following) The modules from the above Core Modules list not selected as core modules can be considered when choosing an elective. MECH 9017 Biomechanics
(4 of the following if Spanish not requir (1 and no more than 1 elective must) IT 507 Measurement & Evi IT 590 Special Proble IT 623 Contemporary In	ed. 2 of the following, if Spanish is required) be selected from the cultural courses listed) aluation in Industry & Technology ems in Industrial Technology	(2 of the following if Spanish not required. 1 of the following, if Spanish is required) Social and Environmental Aspects of Information Technology Energy Efficiency in Construction Natural Resources Environmental Policy	(1 of the following) The modules from the above Core Modules list not selected as core modules can be considered when choosing an elective.
(4 of the following if Spanish not requir (1 and no more than 1 elective must) IT 507 Measurement & Evanuary Evanuary In 623 Contemporary In 1T 668 Administer	ed. 2 of the following, if Spanish is required) be selected from the cultural courses listed) aluation in Industry & Technology ems in Industrial Technology idustrial Technology Problems	(2 of the following if Spanish not required. 1 of the following, if Spanish is required) Social and Environmental Aspects of Information Technology Energy Efficiency in Construction Natural Resources Environmental Policy International Seminar on Sustainable Innovation: Organizations (February)	(1 of the following) The modules from the above Core Modules list not selected as core modules can be considered when choosing an elective. MECH 9017 Biomechanics
(4 of the following if Spanish not requir (1 and no more than 1 elective must) IT 507 Measurement & Evanish Special Proble IT 590 Special Proble IT 623 Contemporary In IT 668 Administer ECET 581C Eff	ed. 2 of the following, if Spanish is required) be selected from the cultural courses listed) aluation in Industry & Technology ems in Industrial Technology dustrial Technology Problems ing Technical Programs	(2 of the following if Spanish not required. 1 of the following, if Spanish is required) Social and Environmental Aspects of Information Technology Energy Efficiency in Construction Natural Resources Environmental Policy International Seminar on Sustainable Innovation:	(1 of the following) The modules from the above Core Modules list not selected as core modules can be considered when choosing an elective. MECH 9017 Biomechanics CBEM 1423 Intro. to Numerical Methods
(4 of the following if Spanish not requir (1 and no more than 1 elective must) IT 507 Measurement & Even IT 590 Special Proble IT 623 Contemporary In IT 668 Administer ECET 581C Eff CIT 550 Organizational In	ed. 2 of the following, if Spanish is required) be selected from the cultural courses listed) aluation in Industry & Technology sms in Industrial Technology dustrial Technology Problems ring Technical Programs icient Energy Systems npact of Information Technology n Technology Economics	(2 of the following if Spanish not required. 1 of the following, if Spanish is required) Social and Environmental Aspects of Information Technology Energy Efficiency in Construction Natural Resources Environmental Policy International Seminar on Sustainable Innovation: Organizations (February) International Seminar on Sustainable Innovation:	(1 of the following) The modules from the above Core Modules list not selected as core modules can be considered when choosing an elective. MECH 9017 Biomechanics CBEM 1423 Intro. to Numerical Methods CBEM 1413 Engineering Analysis 1
(4 of the following if Spanish not requir (1 and no more than 1 elective must) IT 507 Measurement & Even IT 590 Special Proble IT 623 Contemporary In IT 668 Administer ECET 581C Eff CIT 550 Organizational In	ed. 2 of the following, if Spanish is required) be selected from the cultural courses listed) aluation in Industry & Technology ems in Industrial Technology dustrial Technology Problems ring Technical Programs icient Energy Systems Inpact of Information Technology	(2 of the following if Spanish not required. 1 of the following, if Spanish is required) Social and Environmental Aspects of Information Technology Energy Efficiency in Construction Natural Resources Environmental Policy International Seminar on Sustainable Innovation: Organizations (February) International Seminar on Sustainable Innovation:	(1 of the following) The modules from the above Core Modules list not selected as core modules can be considered when choosing an elective. MECH 9017 Biomechanics CBEM 1423 Intro. to Numerical Methods CBEM 1413 Engineering Analysis 1
(4 of the following if Spanish not requir (1 and no more than 1 elective must) IT 507 Measurement & Even IT 590 Special Proble IT 623 Contemporary In IT 668 Administer ECET 581C Eff CIT 550 Organizational In	ed. 2 of the following, if Spanish is required) be selected from the cultural courses listed) aluation in Industry & Technology sms in Industrial Technology dustrial Technology Problems ring Technical Programs icient Energy Systems npact of Information Technology n Technology Economics	(2 of the following if Spanish not required. 1 of the following, if Spanish is required) Social and Environmental Aspects of Information Technology Energy Efficiency in Construction Natural Resources Environmental Policy International Seminar on Sustainable Innovation: Organizations (February) International Seminar on Sustainable Innovation:	(1 of the following) The modules from the above Core Modules list not selected as core modules can be considered when choosing an elective. MECH 9017 Biomechanics CBEM 1423 Intro. to Numerical Methods CBEM 1413 Engineering Analysis 1
(4 of the following if Spanish not requir (1 and no more than 1 elective must) IT 507 Measurement & Evenue of Evenu	ed. 2 of the following, if Spanish is required) be selected from the cultural courses listed) aluation in Industry & Technology sms in Industrial Technology dustrial Technology Problems ring Technical Programs icient Energy Systems npact of Information Technology n Technology Economics	(2 of the following if Spanish not required. 1 of the following, if Spanish is required) Social and Environmental Aspects of Information Technology Energy Efficiency in Construction Natural Resources Environmental Policy International Seminar on Sustainable Innovation: Organizations (February) International Seminar on Sustainable Innovation:	(1 of the following) The modules from the above Core Modules list not selected as core modules can be considered when choosing an elective. MECH 9017 Biomechanics CBEM 1423 Intro. to Numerical Methods CBEM 1413 Engineering Analysis 1

Notes: Awards on completion: DIT MSc in Sustainability, Technology and Innovation and Purdue University MSc (Technology).













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^{*} Students must take Irish Cultural Studies and one other core module listed.

Plan of Study 7, DIT Admission Student, Autumn Start, DIT & Purdue Award (120 ECTS credits, 63 credit hours)			
Sem 1, DIT Autumn	Sem 2, UPC Spring	Sem 3, Purdue Autumn	Sem 4, Purdue Spring
Core Modules/Courses*	Core Modules/Courses	Core Modules/Courses	
MECH 9016 Renewable and Alternative Energy Technologies	Measuring for sustainability	TECH 646 Analysis of Research in Industry and Technology	TECH 621 Building a Philosophy of Technology
or MECH 9015 Sustainable Energy Sys.	Human development models	STAT 501 Experimental Statistics I	
or MECH 9001 Entrepreneurship for Engineers	Social and Environmental Aspects of Information Technology		
or SSPL 9062 Society & Sustainable Dev.			
or SSPL 9028 Ecology			
or SSPL 9034 Case Studies in Sustainability			
or SPEC 9160 Problem Solving, Communication and Innovation	Orientation-cultural week		
Spanish (If required)	Spanish (If required)	Joint Directed Project (Engagement in directed project must start no later than the start of this semester)	Joint Directed Project (Must be completed by the end of this semester and student must be registered on DIT module STIP 5001)
Elective Modules/Courses (3 of the following if Spanish not required. 1 or 2 of the following, if Spanish is required, i.e. up to 2 Spanish modules, 5 ECTS credits each, may be taken)	Elective Modules/Courses (3 of the following if Spanish not required. 1 of the following if Spanish is required)	Elective Modules/Courses (2 of the following) (1 and no more than 1 elective must be selected from the cultural courses listed)	
The modules from the above Core Modules list not selected as core modules can be considered when choosing electives	Energy efficiency in construction	IT 507 Measurement & Evaluat	cion in Industry & Technology
CBEM 1413 Engineering Analysis 1	Natural resources	MET 527 Technology from a Global Perspective	
RESM 1950 Research Methods	Environmental Policy	IT 590 Special Problems in Industrial Technology	
MECH 9017 Biomechanics	International Seminar on Sustainable Innovation: Organizations (February)	IT 623 Contemporary Industrial Technology Problems	
CBEM 1409 Graphics and Computer Modelling	International Seminar on Sustainable Innovation: Technology (June)	IT 668 Administering Technical Programs	
CBEM 1423 Intro. to Numerical Methods		ECET 581C Efficien	
		CIT 550 Organizational Impac	t of Information Technology
		CIT 551 Information Te	
		Culture courses, e.g. HIST 58400, SC	OC 51400, SOC 51500, SOC 52000
Other suitable electives		Other suitabl	e electives
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Notes: This plan of study is only available to DIT admission students with a sufficient proficiency in Spanish to allow Sem 2 at UPC. Awards on completion: DIT MSc in Sustainability, Technology and Innovation and Purdue University MSc (Technology).

^{*} Students must take 3 core modules listed.













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Plan of Study 8, DIT Admission Student, Spring Start, DIT & Purdue Award (120 ECTS credits, 63 credit hours)			
Sem 1, DIT Spring	Sem 2, Purdue Autumn Sem 3, Purdue Spring		Sem 4, UPC Autumn
Core Modules/Courses	Core Modules/Courses		Core Modules/Courses
MECH 9002 Innovation and Knowledge Management	TECH 646 Analysis of Research in Industry and Technology	TECH 621 Building a Philosophy of Technology	Human Sustainable Development
REEN 2215 Renewable Energy Technologies	STAT 501 Experimental Statistics I		Culture, Technology and Innovation
ENER 1702 Energy Supply	MET 527 Technology from a Global Perspective		Orientation-Cultural Week
Spanish (If required)	Spanish (If required)	Spanish (If required)	Spanish (If required)
	Joint Directed Project (Engagement in directed project can start at the start of this semester)	Joint Directed Project (Engagement in directed project must start no later than the start of this semester)	Joint Directed Project (Must be completed by the end of this semester and student must be registered on DIT module STIP 5001)
Elective Modules/Courses	Elective Modul	es/Courses	Elective Modules/Courses
(3 of the following if Spanish not required. 2 of the following, if Spanish is required)	(4 of the following if Spanish not required. 2 (1 and no more than 1 elective must be se		(1 of the following if Spanish not required. If Spanish is required then no elective)
MECH 9010 Applied Surface Engineering	IT 507 Measurement & Evaluati	,	Ecology and Natural Resource Mgmt.
SSPL 9055 Sustainable Construction	IT 590 Special Problems in	, ,,	Urban Ecology and Land Use Planning
SSPL 9030 Env. Design & Mgmt.	IT 623 Contemporary Industr		Environmental and Ecological Economics
BITE 2216 Biomass Technology/Biofuels	IT 668 Administering T		Systems Thinking and Complexity
CBEM 1404 Artificial Intelligence	ECET 581C Efficient Energy Systems		Social and Environmental Aspects of Information Technology
MECH 9000 Advanced Dynamics	CIT 550 Organizational Impact of Information Technology		<u> </u>
CBEM 1415 Computer Aided Design and Eng.	CIT 551 Information Technology Economics		
ADEN 2211 Advanced Energy Systems	Culture courses, e.g. HIST 58400, SO	C 51400, SOC 51500, SOC 52000	
ENCO 1104 Energy Conversion and Use			
MECH 9013 Computational Fluid Dynamics			
MECH 9014 Heat and Mass Transfer			
CBEM 1412 Engineering Systems Simulations			
Other suitable electives	Other suitable	e electives	
Carlot Sandario Ciocario			

Notes: Awards on completion: DIT MSc in Sustainability, Technology and Innovation and Purdue University MSc (Technology).













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