Climate Change (Collaborative Program)

This section presents the requirements for programs in:

- M.A. Anthropology with Collaborative Specialization in Climate Change
- M.A. Communication with Collaborative Specialization in Climate Change
- M.A. English with Collaborative Specialization in Climate Change
- M.A. Sociology with Collaborative Specialization in Climate Change
- M.A.Sc. Aerospace Engineering with Collaborative Specialization in Climate Change
- M.A.Sc. Electrical and Computer Engineering with Collaborative Specialization in Climate Change
- M.A.Sc. Environmental Engineering with Collaborative Specialization in Climate Change
- M.A.Sc. Materials Engineering with Collaborative Specialization in Climate Change
- M.A.Sc. Mechanical Engineering with Collaborative Specialization in Climate Change
- M.B.A. with Collaborative Specialization in Climate Change
- M.Eng Electrical and Computer Engineering with Collaborative Specialization in Climate Change
- M.Eng. Environmental Engineering with Collaborative Specialization in Climate Change
- M.Eng. Sustainable Energy with Collaborative Specialization in Climate Change
- M.Sc. Management with Collaborative Specialization in Climate Change

Program Requirements

M.A. Anthropology with Collaborative Specialization in Climate Change (5.0 credits)

Requirements - Thesis pathway:

1. 1.0 credit in:		1.0
CLIM 5000 [0.0]	Climate Collaboration	
2. 0.0 credit in:		
CLIM 5800 [0.0]	Climate Seminar Series	
3. 1.0 credit in:		1.0
ANTH 5401 [0.5]	Theories and Methods I	
ANTH 5402 [0.5]	Theories and Methods II	
4. 1.0 credit in appro	oved electives, chosen in consultation visor	1.0
5. 2.0 credits in:		2.0
ANTH 5909 [2.0]	M.A. Thesis (in the specialization)	
Total Credits		5.0
Requirements - Res	earch essay pathway:	
1. 1.0 credit in:		1.0
CLIM 5000 [0.0]	Climate Collaboration	
2. 0.0 credit in:		

CLIM 5800 [0.0]	Climate Seminar Series	
3. 1.0 credit in:		1.0
ANTH 5401 [0.5]	Theories and Methods I	
ANTH 5402 [0.5]	Theories and Methods II	
4. 2.0 credit in appro	ved electives, chosen in consultation	2.0
5. 1.0 credit in:	SOI	1.0
ANTH 5908 [1.0]	M.A. Research Essay (in the	
7.14111 0000 [1.0]	specialization)	
Total Credits		5.0
M.A. Communica with Collaborativ Change (5.0 cred	re Specialization in Climate	
Requirements - Rese	earch essay pathway:	
1. 1.0 credit in:		1.0
CLIM 5000 [0.0]	Climate Collaboration	
2. 0.0 credit in:		
CLIM 5800 [0.0]	Climate Seminar Series	
3. 1.5 credits in:		1.5
	Foundations of Communication	1.5
	Studies	
COMS 5605 [0.5]	Approaches to Communication Research	
4. 1.0 credit in:		1.0
COMS 5908 [1.0]	Research Essay (in the	
	specialization)	
	ne list of optional courses	1.5
Total Credits		5.0
Requirements - Thes	sis pathway:	
1. 1.0 credit in:		1.0
CLIM 5000 [0.0]	Climate Collaboration	
2. 0.0 credit in:		
CLIM 5800 [0.0]	Climate Seminar Series	
3. 1.5 credits in:		1.5
COMS 5101 [1.0]	Foundations of Communication Studies	
COMS 5605 [0.5]	Approaches to Communication Research	
4. 2.0 credits in:		2.0
COMS 5909 [2.0]	M.A. Thesis (in the specialization)	
	e list of optional courses	0.5
	, not or optional oddraes	
Total Credits		5.0
M.A. English with Collaborativ Change (4.5 cred	re Specialization in Climate lits)	
Requirements - Cou	sework pathway:	
1. 1.0 credit in:		1.0
CLIM 5000 [0.0]	Climate Collaboration	
2. 0.0 credit in:		
CLIM 5800 [0.0]	Climate Seminar Series	
3. 2.5 credits in ENG ENGL 5908 and ENG	GL at the 5000-level (excluding L 5909)	2.5
4. 0.5 credit in a grad	duate seminar with sufficient Climate GL or another department, as	0.5

MA Seminar	ວ.	0.5 credit in:		0.5		oved electives, chosen in consultation	2.0
1. 0 credit in:		ENGL 5005 [0.5]	M.A. Seminar			risor	4.0
1. 0 credit in: CLIM 5600 [0.0] Climate Collaboration CLIM 5600 [0.0] Climate Seminar Series Change (5.0 credits)				4.5		- · · · · · · · · · · · · · · · · · · ·	1.0
CLIM 5000 [0.0] Climate Collaboration CLIM 5000 [0.0] Climate Seminar Series		•	arch essay pathway:	4.0		specialization)	
2. 0.0 credit in:	1.			1.0	Total Credits		5.0
CLIM 5800 [0 0 Climate Seminar Series 1.5	_		Climate Collaboration		M A Sc Aerosna	ace Engineering	
3. 0.5 credit in:	2.				-		
Requirements	_		Climate Seminar Series			-	
4. 2.0 credits in ENGL at the 5000 level (excluding ENGL 5908) 1. 1.0 credit in:	3.			0.5	• ,	arto)	
Sociology Climate Collaboration 1.0	_				•		4.0
CLIM 5800 [0.0] Climate Seminar Series 1.5			L at the 5000 level (excluding	2.0		Climate Collaboration	1.0
Specialization Spec	5.	1.0 credit in:		1.0	2. 0.0 credit in:		
A participation in the Mechanical and Aerospace Engineering seminar series 1.0		ENGL 5908 [1.0]	• • • • • • • • • • • • • • • • • • • •				15
Requirements - Thesis pathway: 1. 1.0 credit in: CLIM 5000 [0.0] Climate Collaboration 2. 0.0 credit in: CLIM 5800 [0.0] Climate Seminar Series 3. 1.0 credit in: CLIM 5800 [0.5] M.A. Seminar 5. 2.0 credits in: ENGL 5005 [0.5] M.A. Seminar 5. 2.0 credits in: ENGL 5005 [0.5] M.A. Thesis (in the specialization) Total Credits M.A. Sociology with Collaborative Specialization in Climate Change (5.0 credits) Requirements - Thesis pathway: 1. 1.0 credit in: CLIM 5800 [0.0] Climate Collaboration 2. 0.0 credit in: SCI 5005 [0.5] Recurring Debates in Social Thought SCI 5005 [0.5] The Logic of the Research Process 4. 1.0 credit in: SCI 5005 [0.5] M.A. Thesis (in the specialization) Total Credits 5. 2.5 credits in: CLIM 5000 [0.0] Climate Seminar Series 3. 1.6 credit in: CLIM 5000 [0.0] Climate Seminar Series 4. 2.5 credits in: SCI 5005 [0.5] Recurring Debates in Social Thought SCI 5005 [0.5] Climate Collaboration 1.0 credit in: CLIM 5000 [0.0] Climate Seminar Series 3.1.0 credit in: SCI 5005 [0.5] Recurring Debates in Social Thought CLIM 5000 [0.0] Climate Seminar Series 3. 1.0 credit in: CLIM 5000 [0.0] Climate Seminar Series 4. 1.0 credit in: CLIM 5000 [0.0] Climate Seminar Series 5. 2.0 credits in: SCI 5005 [0.5] Recurring Debates in Social Thought CLIM 5000 [0.0] Climate Seminar Series 5. 2.0 credit in: CLIM 5000 [0.0] Climate Seminar Series 5. 2.0 credit in: CLIM 5000 [0.0] Climate Seminar Series 5. 2.0 credit in: CLIM 5000 [0.0] Climate Seminar Series 5. 2.0 credit in: CLIM 5000 [0.0] Climate Seminar Series 5. 2.5 credits in: ENVE 5000 [0.0] Climate Seminar (participation in the graduate student seminar series 5. 2.5 credits in: ENVE 5000 [2.5] Master's Thesis (in the specialization) 5. 2.5 credits in: ENVE 5000 [2.5] Master's Thesis (in the specialization) 5. 2.5 credits in: ENVE 5000 [2.5] Master's Thesis (in the specialization) 5. 2.5 credits in: ENVE 5000 [2.5] Master's Thesis (in the specialization) 5. 2.5 credits in: ENVE 5000 [2.5] Master's Thesis (in the specialization) 5. 2.5 credits in: ENVE 5000 [2.5] M	To	otal Credits		4.5		-	1.0
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CLIM 5000 [0.0] Climate Collaboration			is pathway:				2.5
CLIM 5000 [0.0] Climate Collaboration	1.			1.0	MECH 5909 [2.5]	M.A.Sc. Thesis (in the	
CLIM 5800 [0.0] Climate Seminar Series S.	-		Climate Collaboration			`	
1.0 credit in ENGL at the 5000-level (excluding ENGL 5909) 4. 0.5 credit in:	2.				Total Credits		5.0
With Collaborative Specialization in Climate Change (5.0 credits)					M A On Florida	-1 1 0	
Requirements - Thesis pathway: Clim 5000 [0.0] Climate Collaboration Climate Collaboration			at the 5000-level (excluding	1.0			
1. 1.0 credit in: ENGL 5909 [2.0] M.A. Thesis (in the specialization) 1.0 credit in: CLIM 5000 [0.0] Climate Seminar Series 1.5 credits in: CLIM 5000 [0.0] Climate Collaboration 2.5 credits in: CLIM 5000 [0.0] Climate Seminar Series 3.1.5 credits in: CLIM 5000 [0.0] Climate Seminar Series 3.1.5 credits in: SOCI 5005 [0.5] Recurring Debates in Social Thought 3.5 credits in: SOCI 5005 [0.5] The Logic of the Research Process 4.1.0 credit in: approved electives, chosen in consultation with the student's advisor 3.5 credits in: SOCI 5009 [2.0] M.A. Thesis (in the specialization) 3.5 credit in: approved electives, chosen in consultation 3.6 credit in: approved electives	4.	0.5 credit in:		0.5	Change (5.0 cred	dits)	
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Total Credits	5.			2.0	1. 1.0 credit in:		1.0
M.A. Sociology with Collaborative Specialization in Climate Change (5.0 credits) Climate Seminar Series 1.5		ENGL 5909 [2.0]	M.A. Thesis (in the specialization)		CLIM 5000 [0.0]	Climate Collaboration	
1.5 Credits Change Cha	To	otal Credits		4.5	2. 0.0 credit in:		0.0
### Collaborative Specialization in Climate Change (5.0 credits) Requirements - Thesis pathway:	м	A Sociology			CLIM 5800 [0.0]	Climate Seminar Series	
A			e Specialization in Climate		3. 1.5 credits in cou	rses	1.5
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with the student's advisor 5. 2.0 credits in: SOCI 5909 [2.0] M.A. Thesis (in the specialization) Total Credits 5. 0.0 credits in: CLIM 5800 [0.0] Climate Seminar Series 3. 1.5 credits in courses, with at least 0.5 credit from two different areas of study listed below outside the area of EIA, Sustainability and Climate Change 4. 0.0 credit in: ENVE 5800 [0.0] Master's Seminar (participation in the graduate student seminar series) 5. 2.5 credits in: ENVE 5800 [0.0] Master's Thesis (in the specialization) 5. 2.5 credits in: ENVE 5909 [2.5] Master's Thesis (in the specialization) Total Credits 5. 0.0 credit in: CLIM 5800 [0.0] Climate Seminar Series 5. 2.5 credits in: ENVE 5909 [2.5] Master's Thesis (in the specialization) Total Credits 5. 0.0 credit in: CLIM 5800 [0.0] Total Credits 5. 1.0 credit in: CLIM 5800 [0.0] Total Credits 5. 2.5 credits in: ENVE 5909 [2.5] Master's Thesis (in the specialization) Total Credits 5. 0.0 credit in: CLIM 5800 [0.0] Total Credits 5. 0.0 credit in: CLIM 5800 [0.0] Total Credits		SOCI 5800 [0 5]	<u> </u>				1.0
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1. 1.0 credit in: CLIM 5000 [0.0] Climate Collaboration 2. 0.0 credit in: CLIM 5800 [0.0] Climate Seminar Series 5. 2.5 credits in: ENVE 5909 [2.5] Master's Thesis (in the specialization) SOCI 5005 [0.5] Recurring Debates in Social Thought Total Credits 1.0 In the graduate student seminar series 5. 2.5 credits in: ENVE 5909 [2.5] Master's Thesis (in the specialization) Total Credits 5. 0	5.	1.0 credit in appro ith the student's advi 2.0 credits in: SOCI 5909 [2.0]	The Logic of the Research Process ved electives, chosen in consultation sor	2.0	CLIM 5000 [0.0] 2. 0.0 credit in: CLIM 5800 [0.0] 3. 1.5 credits in coudifferent areas of students in couding in c	Climate Seminar Series rses, with at least 0.5 credit from two dy listed below outside the area of	
CLIM 5000 [0.0] Climate Collaboration series) 2. 0.0 credit in: 5. 2.5 credits in: 2.5 CLIM 5800 [0.0] Climate Seminar Series ENVE 5909 [2.5] Master's Thesis (in the specialization) 3. 1.0 credit in: 1.0 SOCI 5005 [0.5] Recurring Debates in Social Thought Total Credits 5.0	5 .	1.0 credit in appro ith the student's advi 2.0 credits in: SOCI 5909 [2.0] otal Credits	The Logic of the Research Process ved electives, chosen in consultation sor M.A. Thesis (in the specialization)	2.0	CLIM 5000 [0.0] 2. 0.0 credit in: CLIM 5800 [0.0] 3. 1.5 credits in coudifferent areas of students in coudifferent areas of students and the couding area of the couding and the couding area of the couding and the couding area of the couding are	Climate Seminar Series rses, with at least 0.5 credit from two dy listed below outside the area of d Climate Change	
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CLIM 5800 [0.0] Climate Seminar Series SOCI 5005 [0.5] Recurring Debates in Social Thought ENVE 5909 [2.5] Master's Thesis (in the specialization) Total Credits 5.0	5. To	1.0 credit in appro ith the student's advi 2.0 credits in: SOCI 5909 [2.0] otal Credits equirements - Rese 1.0 credit in:	The Logic of the Research Process ved electives, chosen in consultation sor M.A. Thesis (in the specialization) arch essay pathway:	5.0	CLIM 5000 [0.0] 2. 0.0 credit in: CLIM 5800 [0.0] 3. 1.5 credits in coudifferent areas of students in coudifferent areas of students and the couding area of the couding and the couding area of the couding and the couding area of the couding are	Climate Seminar Series rses, with at least 0.5 credit from two dy listed below outside the area of d Climate Change Master's Seminar (participation in the graduate student seminar	
3. 1.0 credit in: SOCI 5005 [0.5] Recurring Debates in Social Thought 1.0 Recurring Debates in Social Thought Total Credits 5.0	5. To Ro	1.0 credit in approith the student's advi 2.0 credits in: SOCI 5909 [2.0] otal Credits equirements - Rese 1.0 credit in: CLIM 5000 [0.0]	The Logic of the Research Process ved electives, chosen in consultation sor M.A. Thesis (in the specialization) arch essay pathway:	5.0	CLIM 5000 [0.0] 2. 0.0 credit in: CLIM 5800 [0.0] 3. 1.5 credits in coudifferent areas of stude EIA, Sustainability and 4. 0.0 credit in: ENVE 5800 [0.0]	Climate Seminar Series rses, with at least 0.5 credit from two dy listed below outside the area of d Climate Change Master's Seminar (participation in the graduate student seminar	1.5
SOCI 5005 [0.5] Recurring Debates in Social Thought Recurring Debates in Social Total Credits 5.0	5. To Ro	1.0 credit in appro ith the student's advi 2.0 credits in: SOCI 5909 [2.0] otal Credits equirements - Rese 1.0 credit in: CLIM 5000 [0.0] 0.0 credit in:	The Logic of the Research Process ved electives, chosen in consultation sor M.A. Thesis (in the specialization) arch essay pathway: Climate Collaboration	5.0	CLIM 5000 [0.0] 2. 0.0 credit in: CLIM 5800 [0.0] 3. 1.5 credits in coudifferent areas of stude EIA, Sustainability and 4. 0.0 credit in: ENVE 5800 [0.0]	Climate Seminar Series rses, with at least 0.5 credit from two dy listed below outside the area of d Climate Change Master's Seminar (participation in the graduate student seminar series)	1.5
-	To Re 1.	1.0 credit in appro ith the student's advi 2.0 credits in: SOCI 5909 [2.0] otal Credits equirements - Rese 1.0 credit in: CLIM 5000 [0.0] 0.0 credit in: CLIM 5800 [0.0]	The Logic of the Research Process ved electives, chosen in consultation sor M.A. Thesis (in the specialization) arch essay pathway: Climate Collaboration	5.0	CLIM 5000 [0.0] 2. 0.0 credit in: CLIM 5800 [0.0] 3. 1.5 credits in coudifferent areas of stude EIA, Sustainability and 4. 0.0 credit in: ENVE 5800 [0.0]	Climate Seminar Series rses, with at least 0.5 credit from two dy listed below outside the area of d Climate Change Master's Seminar (participation in the graduate student seminar series) Master's Thesis (in the	1.5
	To Re 1.	1.0 credit in approit the student's advi 2.0 credits in: SOCI 5909 [2.0] Otal Credits equirements - Rese 1.0 credit in: CLIM 5000 [0.0] 0.0 credit in: CLIM 5800 [0.0] 1.0 credit in:	The Logic of the Research Process ved electives, chosen in consultation sor M.A. Thesis (in the specialization) arch essay pathway: Climate Collaboration Climate Seminar Series Recurring Debates in Social	5.0	CLIM 5000 [0.0] 2. 0.0 credit in: CLIM 5800 [0.0] 3. 1.5 credits in coudifferent areas of stude EIA, Sustainability an 4. 0.0 credit in: ENVE 5800 [0.0] 5. 2.5 credits in: ENVE 5909 [2.5]	Climate Seminar Series rses, with at least 0.5 credit from two dy listed below outside the area of d Climate Change Master's Seminar (participation in the graduate student seminar series) Master's Thesis (in the	1.5

M.A.Sc. Materials Engineering with Collaborative Specialization in Climate Change (5.0 credits)

Requirements:		
1. 1.0 credit in:		1.0
CLIM 5000 [0.0]	Climate Collaboration	
2. 0.0 credit in:		
CLIM 5800 [0.0]	Climate Seminar Series	
3. 1.5 credits in cour	rses offered by the OCIMAE.	1.5
4. Participation in the Engineering seminar	Mechanical and Aerospace series	
5. 2.5 credits in:		2.5
MECH 5909 [2.5]	M.A.Sc. Thesis (in the specialization)	
Total Credits		5.0
M A Sc Machani	ical Engineering	

M.A.Sc. Mechanical Engineering with Collaborative Specialization in Climate Change (5.0 credits)

Requirements:	

1. 1.0 credit in:		1.0
CLIM 5000 [0.0]	Climate Collaboration	
2. 0.0 credit in:		
CLIM 5800 [0.0]	Climate Seminar Series	
3. 1.5 credits in cour	ses offered by the OCIMAE.	1.5
4. Participation in the Engineering seminar s	Mechanical and Aerospace series	
5. 2.5 credits in:		2.5
MECH 5909 [2.5]	M.A.Sc. Thesis (in the specialization)	
Total Credits		5.0

M.B.A. with Collaborative Specialization in Climate Change (8.5 credits)

Requirements:

1.	1.0 credit in		1.0
	CLIM 5000 [0.0]	Climate Collaboration	
2.	0.0 credit in:		
	CLIM 5800 [0.0]	Climate Seminar Series	
3.	0.25 credit in		0.25
	BUSI 5108 [0.25]	Sustainable Business Development	
as So	having sufficient cli	ve specialization courses designated mate change content, within the elsewhere, with permission of the	1.0
5.	4.25 credits in con	npulsory core courses	4.25
6.	1.0 credit in elective	/e courses	1.0
7.	1.0 credit in:		1.0
	BUSI 5999 [1.0]	Internship ¹	
8.	0.0 credit in		
	BUSI 5998 [0.0]	MBA Skills Workshop ²	
To	otal Credits		8.5

¹ Students with less than two (2) years of professional employment experience must successfully complete BUSI 5999 [1.0] Internship in order to graduate. Students with

two or more years work experience may apply for an exemption. ² Non-credit required skills workshop.

M.Eng Electrical and Computer Engineering with Collaborative Specialization in Climate Change (4.5 credits)

Requirements -	- bv	Project	(4.5	credits)

2. 3.	1.0 credit in: CLIM 5000 [0.0] 0.0 credit in: CLIM 5800 [0.0] 0.5 credit in: ELEC 5302 [0.5] SERG 5001 [0.5] SERG 5003 [0.5] SYSC 5005 [0.5] SYSC 5104 [0.5]	Climate Collaboration Climate Seminar Series Renewable and Distributed Energy Resource Technologies Sustainable Energy Policy for Engineers Energy Evaluation and Assessment Tools Optimization Theory and Methods Methodologies For Discrete-Event Modeling And Simulation ced Topic in the area of climate	1.0 0.0 0.5 3.0 4.5
R(1. 2. 3.	1.0 credit in: CLIM 5000 [0.0] 0.0 credit in: CLIM 5800 [0.0] 0.5 credit in: ELEC 5302 [0.5] SERG 5001 [0.5] SERG 5003 [0.5] SYSC 5005 [0.5] SYSC 5104 [0.5] or approved Advanchange	Climate Collaboration Climate Seminar Series Renewable and Distributed Energy Resource Technologies Sustainable Energy Policy for Engineers Energy Evaluation and Assessment Tools Optimization Theory and Methods Methodologies For Discrete-Event Modeling And Simulation ced Topic in the area of climate	0.0
1. 2.	1.0 credit in: CLIM 5000 [0.0] 0.0 credit in: CLIM 5800 [0.0] 0.5 credit in: ELEC 5302 [0.5] SERG 5001 [0.5] SERG 5003 [0.5] SYSC 5005 [0.5] SYSC 5104 [0.5]	Climate Collaboration Climate Seminar Series Renewable and Distributed Energy Resource Technologies Sustainable Energy Policy for Engineers Energy Evaluation and Assessment Tools Optimization Theory and Methods Methodologies For Discrete-Event Modeling And Simulation	0.0
1. 2.	1.0 credit in: CLIM 5000 [0.0] 0.0 credit in: CLIM 5800 [0.0] 0.5 credit in: ELEC 5302 [0.5] SERG 5001 [0.5] SERG 5003 [0.5]	Climate Collaboration Climate Seminar Series Renewable and Distributed Energy Resource Technologies Sustainable Energy Policy for Engineers Energy Evaluation and Assessment Tools Optimization Theory and Methods	0.0
1. 2.	1.0 credit in: CLIM 5000 [0.0] 0.0 credit in: CLIM 5800 [0.0] 0.5 credit in: ELEC 5302 [0.5] SERG 5001 [0.5]	Climate Collaboration Climate Seminar Series Renewable and Distributed Energy Resource Technologies Sustainable Energy Policy for Engineers Energy Evaluation and Assessment Tools	0.0
1. 2.	1.0 credit in: CLIM 5000 [0.0] 0.0 credit in: CLIM 5800 [0.0] 0.5 credit in: ELEC 5302 [0.5]	Climate Collaboration Climate Seminar Series Renewable and Distributed Energy Resource Technologies Sustainable Energy Policy for	0.0
1. 2.	1.0 credit in: CLIM 5000 [0.0] 0.0 credit in: CLIM 5800 [0.0] 0.5 credit in:	Climate Collaboration Climate Seminar Series Renewable and Distributed Energy	0.0
1. 2.	1.0 credit in: CLIM 5000 [0.0] 0.0 credit in: CLIM 5800 [0.0]	Climate Collaboration	0.0
R(1.0 credit in: CLIM 5000 [0.0] 0.0 credit in:	Climate Collaboration	
R(1.0 credit in: CLIM 5000 [0.0]		
R	1.0 credit in:		1.0
R		oursework (4.5 credits)	
To	otal Credits		4.5
	SYSC 5900 [0.5]	Systems Engineering Project (in the area of climate change)	
5.	0.5 credit in:	0 1 5 1 1 5 1 1 1	0.5
	2.5 credits in cour	ses	2.5
	or approved Advan- change	ced Topic in the area of climate	
	SYSC 5104 [0.5]	Methodologies For Discrete-Event Modeling And Simulation	
	SYSC 5005 [0.5]	Optimization Theory and Methods	
	SERG 5003 [0.5]	Energy Evaluation and Assessment Tools	
	SERG 5001 [0.5]	Sustainable Energy Policy for Engineers	
0.	ELEC 5302 [0.5]	Renewable and Distributed Energy Resource Technologies	0.0
3	0.5 credit in:	Climate Germinal Geries	0.5
	CLIM 5800 [0.0]	Climate Seminar Series	0.0
۷.	0.0 credit in:	Climate Collaboration	0.0
2.		Olimente Onlink enetion	
	1.0 credit in: CLIM 5000 [0.0]		1.0

M.Eng. Environmental Engineering with Collaborative Specialization in Climate Change (5.0 credits)

Requirements - Project pathway

1.0
0.5

ENVE 5200 [0.5]	Climate Change and Engineering	
ENVE 5201 [0.5]	Geo-Environmental Engineering	
ENVE 5205 [0.5]	Sludge Treatment and Disposal	
ENVJ 5908 [0.5]	Anaerobic Digestion	
ENVJ 5212 [0.0]	Climate Change Impacts on Water Resources	
or approved Spec change	cial Topics in the area of climate	
	urses, with at least 0.5 credit from two dy listed below outside the area of nd Climate Change	2.5
5. 0.0 credit in:		
ENVE 5800 [0.0]	Master's Seminar	
6. 1.0 credit in:		1.0
ENVE 5900 [1.0]	Environmental Engineering Project (in the specialization)	
Total Credits		5.0
Requirements - Co	ursework nathway	
rtoquirointo oo		
1. 1.0 credit in:		1.0
1. 1.0 credit in: CLIM 5000 [0.0]	Climate Collaboration	1.0
1. 1.0 credit in: CLIM 5000 [0.0] 2. 0.0 credit in:	Climate Collaboration	1.0
CLIM 5000 [0.0]	Climate Collaboration Climate Seminar Series	1.0
CLIM 5000 [0.0] 2. 0.0 credit in:	Climate Seminar Series	1.0
CLIM 5000 [0.0] 2. 0.0 credit in: CLIM 5800 [0.0]	Climate Seminar Series	
CLIM 5000 [0.0] 2. 0.0 credit in: CLIM 5800 [0.0] 3. 1.5 credits from:	Climate Seminar Series	
CLIM 5000 [0.0] 2. 0.0 credit in: CLIM 5800 [0.0] 3. 1.5 credits from: ENVE 5105 [0.5]	Climate Seminar Series Atmospheric Aerosols	
CLIM 5000 [0.0] 2. 0.0 credit in: CLIM 5800 [0.0] 3. 1.5 credits from: ENVE 5105 [0.5] ENVE 5200 [0.5]	Climate Seminar Series Atmospheric Aerosols Climate Change and Engineering	
CLIM 5000 [0.0] 2. 0.0 credit in: CLIM 5800 [0.0] 3. 1.5 credits from: ENVE 5105 [0.5] ENVE 5200 [0.5] ENVE 5201 [0.5]	Climate Seminar Series Atmospheric Aerosols Climate Change and Engineering Geo-Environmental Engineering	
CLIM 5000 [0.0] 2. 0.0 credit in: CLIM 5800 [0.0] 3. 1.5 credits from: ENVE 5105 [0.5] ENVE 5200 [0.5] ENVE 5201 [0.5] ENVE 5205 [0.5]	Climate Seminar Series Atmospheric Aerosols Climate Change and Engineering Geo-Environmental Engineering Sludge Treatment and Disposal	
CLIM 5000 [0.0] 2. 0.0 credit in: CLIM 5800 [0.0] 3. 1.5 credits from: ENVE 5105 [0.5] ENVE 5200 [0.5] ENVE 5201 [0.5] ENVE 5205 [0.5] ENVJ 5908 [0.5] ENVJ 5212 [0.0]	Climate Seminar Series Atmospheric Aerosols Climate Change and Engineering Geo-Environmental Engineering Sludge Treatment and Disposal Anaerobic Digestion Climate Change Impacts on Water	

M.Eng. Sustainable Energy with Collaborative Specialization in Climate Change (5.0 Credits)

Requirements:

Total Credits

Requirements.		
1. 1.0 credit in:		1.0
CLIM 5000 [0.0]	Climate Collaboration	
2. 0.0 credit in:		
CLIM 5800 [0.0]	Climate Seminar Series	
3. 2.0 credits in:		2.0
SERG 5001 [0.5]	Sustainable Energy Policy for Engineers	
SERG 5003 [0.5]	Energy Evaluation and Assessment Tools	
SERG 5004 [1.0]	Applied Interdisciplinary Project	
4. 0.0 credit in:		
SERG 5800 [0.0]	Sustainable Energy Seminar	
5. 2.0 credits in:		2.0
Mechanical Engineering	ng focus:	
Graduate-level MECH	courses	
or		
Electrical Engineering	focus:	

Graduate le	evel FI FC	SYSC or	FAC _J	courses

Total Credits 5.0

M.Sc. Management with Collaborative Specialization in Climate Change (5.0 credits)

Requirements (5.0 credits):

1. 1.0 credit from:		1.0
CLIM 5000 [0.0]	Climate Collaboration	
2. 0.0 credit in:		
CLIM 5800 [0.0]	Climate Seminar Series	
3. 1.5 credits in:		1.5
BUSI 5980 [0.5]	Foundations of Management Theory and Research	
BUSI 5981 [0.5]	Statistics for Business Research	
BUSI 5982 [0.5]	Research Methodology in Business	
4. 0.5 credit from:		0.5
BUSI 5983 [0.5]	Qualitative Research Design	
BUSI 5984 [0.5]	Quantitative Research Design	
5. Completion of the F	Research Tutorial	
6. 2.0 credits in:		2.0
BUSI 5989 [2.0]	M.Sc. Thesis (in the specialization)	
Total Credits		5.0

Climate Change (CLIM) Courses

CLIM 5000 [1.0 credit] Climate Collaboration

A seminar on the climate crisis from an interdisciplinary perspective. Drawing on a range of disciplinary approaches from the humanities, social sciences, public policy, engineering and natural science, students will engage with the many factors bearing on the climate crisis and how to address it.

CLIM 5800 [0.0 credit] Climate Seminar Series

5.0

A series of seminars presented by researchers and practitioners in the area of climate change. To complete this course, a student must attend six seminars.