Date: Check student type: online on-campus: Chosen Track (ontional): Energy

Date:	Check student type: online on-campus: Chosen Trac	k (optional):	Energy	
ME / TAM Coursework	Course title	Credits	500 level?	Term
12 hours minimum	ME 400 Energy Conversion Systems	4	No	S
	ME 420 Intermediate Heat Transfer	4	No	F
	ME 598 Carbon Capture and Storage	4	Yes	S
	ME 501 Combustion Fundamentals	4	Yes	S
	Subtotal:	16		
Applied Math / Comp Science* 3-4 hours	ME 471 Finite Element Analysis	4	No	F
*From approved list.	Subtotal:	4		
Elective Courses** 4 hours minimum	ENG 471 Seminar Energy & Sustain Engrg	1	No	S
	CEE 421 Construction Planning	4	No	F
	ARCH 401 Architecture of LeCorbusier	3	No	S
**Chosen in consultation with faculty advisor.	Subtotal:	8		
Professional Development*** 4 hours minimum	ENG 571 Theory of Energy & Sustainable Engineering	4	Yes	S
***Choice or combination of (a) a graduate-level capstone project				
(for example, ME 597 Independent Study, ENG 572 or ENG 573), or (b) a course in leadership,				
entrepreneurship, or other business- related course.	Subtotal:	4		
Total Credits		32		

Check that all total coursework ≥ 32 credit hours.

Other Requirements and Conditions (may overlap with Core Requirements – please check to ensure that you will meet the conditions below):

Only 400-500 level graduate level courses will be counted towards the M.Eng.ME degree requirements.

A minimum of 12 500-level credit hours must be applied toward the degree, 8 of which must be taken in ME or TAM.

A maximum of 4 credit hours of independent study may be applied toward degree requirements.

A course can be applied to more than one requirement simultaneously. The credit hours, however, will not be counted twice.

Students must maintain a minimum GPA of 3.0 to remain in good academic standing.

Chosen Track (optional): Hybrid Check student type: online on-campus: Date: ME / TAM Coursework Course title Credits 500 level? Term 12 hours minimum ME 446 Robot Dynamics and Control 4 S No ME 543 Applied Control System Design & Analysis 4 Yes F No 3 S TAM 456 Experimental Stress Analysis 2 S ME 597 Independent Study Yes S 4 ME 598 Advanced Robust Control Yes Subtotal: 17 Applied Math / Comp Science* 4 F ME 471 Finite Element Analysis 3-4 hours No Subtotal: *From approved list. 4 Elective Courses** 4 hours minimum ABE 469 Industry-Linked Design Project 4 No S CPSC 418 Crop Growth and Management 3 No S 4 F SE 412 Nondestructive Evaluation No **Chosen in consultation with faculty Subtotal: advisor. 11 Professional Development*** ENG 572 Professional Practicum Yes S 4 4 hours minimum ***Choice or combination of (a) a graduate-level capstone project (for example, ME 597 Independent Study, ENG 572 or ENG 573), or (b) a course in leadership, entrepreneurship, or other business-Subtotal: 4 related course. **Total Credits**

Check that all total coursework ≥ 32 credit hours.

Other Requirements and Conditions (may overlap with Core Requirements – please check to ensure that you will meet the conditions below):

Only 400-500 level graduate level courses will be counted towards the M.Eng.ME degree requirements.

A minimum of 12 500-level credit hours must be applied toward the degree, 8 of which must be taken in ME or TAM.

A maximum of 4 credit hours of independent study may be applied toward degree requirements.

A course can be applied to more than one requirement simultaneously. The credit hours, however, will not be counted twice.

Students must maintain a minimum GPA of 3.0 to remain in good academic standing.

Chosen Track (optional): Controls & Robotics Check student type: online on-campus:√ Date: ME / TAM Coursework Course title Credits 500 level? Term 12 hours minimum S ME 460 Industrial Control Systems 4 No 4 ME 446 Robot Dynamics and Control Nο S F 4 Nο ME 453 Data Sci in Mfg Quality Cntrl 4 F ME 540 Control System Theory & Design Yes ME 445 Introduction to Robotics 4 No S Subtotal: 20 Applied Math / Comp Science* 4 Yes F 3-4 hours TAM 541 Mathematical Methods I Subtotal: *From approved list. 4 Elective Courses** 4 hours minimum ENG 571 Theory Energy & Sustain Engrg 4 Yes S **Chosen in consultation with faculty Subtotal: advisor. 4 Professional Development*** F 2 Yes TE 566 Finance for Engineering Mgmt 4 hours minimum F ***Choice or combination of (a) a 2 TE 466 High-Tech Venture Marketing No graduate-level capstone project (for example, ME 597 Independent Study, ENG 572 or ENG 573), or (b) a course in leadership, entrepreneurship, or other business-Subtotal: 4 related course. **Total Credits**

Check that all total coursework ≥ 32 credit hours.

Other Requirements and Conditions (may overlap with Core Requirements – please check to ensure that you will meet the conditions below):

Only 400-500 level graduate level courses will be counted towards the M.Eng.ME degree requirements.

A minimum of 12 500-level credit hours must be applied toward the degree, 8 of which must be taken in ME or TAM.

A maximum of 4 credit hours of independent study may be applied toward degree requirements.

A course can be applied to more than one requirement simultaneously. The credit hours, however, will not be counted twice.

Students must maintain a minimum GPA of 3.0 to remain in good academic standing.

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Check student type: online on-campus: Chosen Track (optional): Hybrid Date: ME / TAM Coursework Course title Credits 500 level? Term 12 hours minimum ME 410 Intermediate Gas Dynamics 4 F No 4 ME 432 Fundamentals of Photovoltaics Nο F 2 F ME 598 Comp Model Indust Trans Proc Yes 2 ME 598 Comp Model Indust Trans Proc S Yes S 4 Yes ME 510 Advanced Gas Dynamics Subtotal: 16 Applied Math / Comp Science* ME 471 Finite Element Analysis No S 3-4 hours 4 Subtotal: *From approved list. 4 Elective Courses** 4 hours minimum NPRE 402 Nuclear Power Engineering 4 No F NPRE 475 Wind Power Systems 4 S No **Chosen in consultation with faculty Subtotal: advisor. 8 Professional Development*** 1 ENG 471 Seminar Energy & Sustain Engrg 4 hours minimum No S ***Choice or combination of (a) a ENG 571 Theory Energy & Sustain Engrg 4 Yes S graduate-level capstone project (for example, ME 597 Independent Study, ENG 572 or ENG 573), or (b) a course in leadership, entrepreneurship, or other business-Subtotal: 5 related course.

Check that all total coursework ≥ 32 credit hours.

Other Requirements and Conditions (may overlap with Core Requirements – please check to ensure that you will meet the conditions below):

Only 400-500 level graduate level courses will be counted towards the M.Eng.ME degree requirements.

A minimum of 12 500-level credit hours must be applied toward the degree, 8 of which must be taken in ME or TAM.

A maximum of 4 credit hours of independent study may be applied toward degree requirements.

A course can be applied to more than one requirement simultaneously. The credit hours, however, will not be counted twice.

Students must maintain a minimum GPA of 3.0 to remain in good academic standing.

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Total Credits

Check student type: online on-campus: Date: Chosen Track (optional): Hybrid ME / TAM Coursework Course title Credits 500 level? Term 12 hours minimum ME 451 Computer-Aided Mfg Systems F 3 No F ME 586 Mechanics of MEMS 4 Yes Yes F ME 598 Electronics Cooling 4 4 No F TAM 412 Intermediate Dynamics No ME 455 Micromfg Process & Automation 4 S Subtotal: 19 Applied Math / Comp Science* TAM 470 Computational Mechanics 3 Nο F 3-4 hours Subtotal: *From approved list. 3 Elective Courses** 4 hours minimum CS 418 Interactive Computer Graphics 4 No F S GEOG 403 Geographic Info Sci & Systems 4 No **Chosen in consultation with faculty Subtotal: advisor. 8 Professional Development*** 2 TE 565 Technol Innovation & Strategy Yes F 4 hours minimum ***Choice or combination of (a) a S Yes TE 566 Finance for Engineering Mgmt 2 graduate-level capstone project (for example, ME 597 Independent Study, ENG 572 or ENG 573), or (b) a course in leadership, entrepreneurship, or other business-Subtotal: related course. 4 **Total Credits** 34

Check that all total coursework ≥ 32 credit hours.

Other Requirements and Conditions (may overlap with Core Requirements – please check to ensure that you will meet the conditions below):

Only 400-500 level graduate level courses will be counted towards the M.Eng.ME degree requirements.

A minimum of 12 500-level credit hours must be applied toward the degree, 8 of which must be taken in ME or TAM.

A maximum of 4 credit hours of independent study may be applied toward degree requirements.

A course can be applied to more than one requirement simultaneously. The credit hours, however, will not be counted twice.

Students must maintain a minimum GPA of 3.0 to remain in good academic standing.

Date:	Check student type: online on-campus:	Chosen Track (optional):		
ME / TAM Coursework 12 hours minimum	Course title	Credits	500 level?	Term
	ME 462 Advanced Computer Control	4	No	F
	ME 540 Control System Theory & Design	AU	Yes	F
	ME 543 Applied Control System Design	4	Yes	F
	ME 598 Advanced Robust Control	4	Yes	S
	ME 598 Carbon Capture and Storage	4	Yes	S
	Colorado			
	Subtotal:	16		
Applied Math / Comp Science* 3-4 hours	ME 471 Finite Element Analysis	4	No	F
*From approved list.	Subtotal:	4		
Elective Courses**	CE 420 Disital Control Control	4	N-	_
4 hours minimum	SE 420 Digital Control Systems	4	No	F
	SE 423 Mechatronics	3	No	S
**Chosen in consultation with faculty advisor.	Subtotal:	7		
Professional Development*** 4 hours minimum	TE 462 Leading Sustainable Change	3	No	S
***Choice or combination of (a) a graduate-level capstone project	TE 466 High-Tech Venture Marketing	2	No	S
(for example, ME 597 Independent Study, ENG 572 or ENG 573), or (b) a course in leadership,				
entrepreneurship, or other business- related course.	Subtotal:	5		
Total Credits		32		

Check that all total coursework ≥ 32 credit hours.

Other Requirements and Conditions (may overlap with Core Requirements – please check to ensure that you will meet the conditions below):

Only 400-500 level graduate level courses will be counted towards the M.Eng.ME degree requirements.

A minimum of 12 500-level credit hours must be applied toward the degree, 8 of which must be taken in ME or TAM.

A maximum of 4 credit hours of independent study may be applied toward degree requirements.

A course can be applied to more than one requirement simultaneously. The credit hours, however, will not be counted twice.

Students must maintain a minimum GPA of 3.0 to remain in good academic standing.

Date: Check student type: online on-campus: Chosen Track (optional): Fluid & Thermal Sciences

Date:	Check student type: onlinev on-campus:	Chosen Track	(optional).	riulu & Trier	mai Scienc
ME / TAM Coursework	Course title		Credits	500 level?	Term
12 hours minimum	ME 411 Viscous Flow & Heat Transfer		4	No	F
	ME 410 Intermediate Gas Dynamics		3	No	S
	ME 598 Comp Model Indust Trans Proc		2	Yes	F
	ME 598 Comp Model Indust Trans Proc		2	Yes	S
	ME 510 Advanced Gas Dynamics		4	Yes	S
	Subtotal:		15		
Applied Math / Comp Science* 3-4 hours	ME 471 Finite Element Analysis		4	No	Summer
*From approved list.	Subtotal:		4		
Elective Courses** 4 hours minimum	AE 433 Aerospace Propulsion		4	No	F
	AE 498 Hypersonic Aero Thermodynamics		3	No	F
	TE 567 Venture Funded Startups		1	Yes	Summer
	TE 460 Lect in Engrg Entrepreneurship		1	No	F
**Chosen in consultation with faculty advisor.	Subtotal:		9		
Professional Development*** 4 hours minimum	TE 565 Technol Innovation & Strategy		2	Yes	Summer
***Choice or combination of (a) a graduate-level capstone project	TE 566 Finance for Engineering Mgmt		2	Yes	Summer
(for example, ME 597 Independent Study, ENG 572 or ENG 573), or (b) a course in leadership,					
entrepreneurship, or other business- related course.	Subtotal:		4		
Total Credits			32		

Check that all total coursework ≥ 32 credit hours.

Other Requirements and Conditions (may overlap with Core Requirements – please check to ensure that you will meet the conditions below):

Only 400-500 level graduate level courses will be counted towards the M.Eng.ME degree requirements.

A minimum of 12 500-level credit hours must be applied toward the degree, 8 of which must be taken in ME or TAM.

A maximum of 4 credit hours of independent study may be applied toward degree requirements.

A course can be applied to more than one requirement simultaneously. The credit hours, however, will not be counted twice.

Students must maintain a minimum GPA of 3.0 to remain in good academic standing.