ME 476C Skills Matrix Inventory

Name **Brandon Thayer**

Courses Taken or Taking

If you earned a C or better, enter a check mark in the appropriate column to indicate if or when taken.

Course or Equivalent	Earlier	S02	F02	S03	F03	S04
ME 386 – Engineering Design, Methods						X
Computer Programming _____						
EE 222 – Programming in ~~MATHCAD~~ MATLAB					X	
ME 365 – Machine Design						X
ME 381- Advanced CAD/CAM						
ME 454 – Finite Element Analysis						
ME 443 – Turbomachinery						
ME 484 – Mechanical Analysis & Synthesis						
Other _____						
Other _____						

Computer Skills

Rate your proficiency in each skill area by checking one column for each skill area.

Skill Area	None	Low	Medium	High
Programming (best language)			X	
Spreadsheet software				X
Presentation software				X
Scheduling software		X		
Mathematics software			X	
Email				X
Web page development	X			
C++ Programming	X			
HTML coding	X			
Autocad				X
ADAMS/Solidworks		X		
Total the number checked per column	3	2	2	4

Communication Skills

Rate your proficiency in each area by checking one column for each skill area.

Skill Area	Low	Medium	High
Editing			X
Sentence structure		X	
Organization of writing, ability to present ideas clearly and logically		X	
Persuasive writing, ability to build a Convincing argument		X	

Skill Area			
Technical report writing, ability to organize facts and draw logical conclusions			X
Writing Instructions for others to follow			X
One-on-one Oral Communication, able to offer cogent and relevant options/ideas		X	
Presentation Skills, able to give a speech or presentation to a group of peers		X	
Total Number Checked per Column		5	3

Teaming Skills
Rate your proficiency in each area by checking one column for each skill area.

Skill Area	Low	Medium	High
Patience with others			X
Active participant on teams			X
Prefer working on a team when compared to working alone			X
Team leadership skills		X	
Negotiation ability, able to listen to and evaluate alternatives, compromising when necessary			X
Mediation ability, able to help clarify and resolve conflicts			X
Total Number Checked per Column		1	5

Thinking Skills
Rate your proficiency in each area by a check mark in one column for each skill area.

Skill Area	Low	Medium	High
Creativity and Innovation, able to think of alternatives and other ways of doing things		X	
Problem solving, able to formulate, analyze and propose solutions		X	
Ability to focus on a task and not be easily distracted or discouraged			X
Philosophical/Reflective thinking, able to be objective and learn from looking back		X	
Total Number Checked/Column		3	1

Other Skills and Abilities
Rate your proficiency in each area by a check mark in one column for each skill area.

Skill Area	Low	Medium	High
Machining		X	
Welding	X		
Circuit troubleshooting/testing	X		
Solid modeling		X	
Artistic (3D, sketching, etc.)			X
Finite Element Analysis	X	X	
Other			
Other			
Total Number Checked/Column	3	2	1

ME 476C Skills Matrix Inventory

Name _DANIEL MORIN_

Courses Taken or Taking

If you earned a C or better, enter a check mark in the appropriate column to indicate if or when taken.

Course or Equivalent	Earlier	S02	F02	S03	F03	S04	
ME 386 – Engineering Design, Methods						✓	
Computer Programming _____							
EE 222 – Programming in MAT~~HCAD~~ *LAB*			✓				
ME 365 – Machine Design						✓	
ME 381- Advanced CAD/CAM							
ME 454 – Finite Element Analysis							
ME 443 – Turbomachinery							
ME 484 – Mechanical Analysis & Synthesis							CURRENT
Other _MAT 362 : Numerical Analysis_							
Other _____							

Computer Skills

Rate your proficiency in each skill area by checking one column for each skill area.

Skill Area	None	Low	Medium	High
Programming (best language)			✓	
Spreadsheet software			✓	
Presentation software			✓	
Scheduling software	✓			
Mathematics software			✓	
Email				✓
Web page development		✓		
C++ Programming		✓		
HTML coding	✓			
Autocad			✓	
ADAMS/Solidworks			✓	
Total the number checked per column	2	2	6	1

Communication Skills

Rate your proficiency in each area by checking one column for each skill area.

Skill Area	Low	Medium	High
Editing			✓
Sentence structure			✓
Organization of writing, ability to present ideas clearly and logically			✓
Persuasive writing, ability to build a Convincing argument			✓

Skill Area	Low	Medium	High
Technical report writing, ability to organize facts and draw logical conclusions			✓
Writing Instructions for others to follow	✓		
One-on-one Oral Communication, able to offer cogent and relevant options/ideas		✓	
Presentation Skills, able to give a speech or presentation to a group of peers			✓
Total Number Checked per Column	1	1	6

Teaming Skills
Rate your proficiency in each area by checking one column for each skill area.

Skill Area	Low	Medium	High
Patience with others			✓
Active participant on teams			✓
Prefer working on a team when compared to working alone		✓	
Team leadership skills		✓	
Negotiation ability, able to listen to and evaluate alternatives, compromising when necessary			✓
Mediation ability, able to help clarify and resolve conflicts		✓	
Total Number Checked per Column	0	3	3

Thinking Skills
Rate your proficiency in each area by a check mark in one column for each skill area.

Skill Area	Low	Medium	High
Creativity and Innovation, able to think of alternatives and other ways of doing things	✓		
Problem solving, able to formulate, analyze and propose solutions			✓
Ability to focus on a task and not be easily distracted or discouraged			✓
Philosophical/Reflective thinking, able to be objective and learn from looking back			✓
Total Number Checked/Column	1	0	3

Other Skills and Abilities
Rate your proficiency in each area by a check mark in one column for each skill area.

Skill Area	Low	Medium	High
Machining	✓		
Welding	✓		
Circuit troubleshooting/testing		✓	
Solid modeling		✓	
Artistic (3D, sketching, etc.)	✓		
Finite Element Analysis		✓	
Other _____			
Other _____			
Total Number Checked/Column	3	3	0

– Knowledge of Orbital and contacts

ME 476C Skills Matrix Inventory

Name BRITTANY KNAGGS

Courses Taken or Taking

If you earned a C or better, enter a check mark in the appropriate column to indicate if or when taken.

Course or Equivalent	Earlier	S02	F02	S03	F03	S04	current
ME 386 – Engineering Design, Methods						✓	
Computer Programming MAT 362							✓
EE 222 – Programming in MATHCAD / MATLAB					✓		
ME 365 – Machine Design						✓	
ME 381- Advanced CAD/CAM							
ME 454 – Finite Element Analysis							
ME 443 – Turbomachinery							
ME 484 – Mechanical Analysis & Synthesis							✓
Other ME 467 - Manufact. Processes						✓	
Other							

Computer Skills

Rate your proficiency in each skill area by checking one column for each skill area.

Skill Area	None	Low	Medium	High	
Programming (best language)			✓		(MATLAB)
Spreadsheet software				✓	
Presentation software				✓	
Scheduling software			✓		
Mathematics software			✓		
Email				✓	
Web page development	✓				
C++ Programming		✓			
HTML coding	✓				
Autocad			✓		
ADAMS/Solidworks			✓		
Total the number checked per column	2	1	5	3	

Communication Skills

Rate your proficiency in each area by checking one column for each skill area.

Skill Area	Low	Medium	High
Editing		✓	
Sentence structure		✓	
Organization of writing, ability to present ideas clearly and logically			✓
Persuasive writing, ability to build a Convincing argument		✓	

	Low	Medium	High
Technical report writing, ability to organize facts and draw logical conclusions		✓	
Writing Instructions for others to follow			✓
One-on-one Oral Communication, able to offer cogent and relevant options/ideas			✓
Presentation Skills, able to give a speech or presentation to a group of peers		✓	
Total Number Checked per Column	0	5	3

Teaming Skills

Rate your proficiency in each area by checking one column for each skill area.

Skill Area	Low	Medium	High
Patience with others			✓
Active participant on teams			✓
Prefer working on a team when compared to working alone			✓
Team leadership skills			✓
Negotiation ability, able to listen to and evaluate alternatives, compromising when necessary			✓
Mediation ability, able to help clarify and resolve conflicts			✓
Total Number Checked per Column	0	0	6

Thinking Skills

Rate your proficiency in each area by a check mark in one column for each skill area.

Skill Area	Low	Medium	High
Creativity and Innovation, able to think of alternatives and other ways of doing things		✓	
Problem solving, able to formulate, analyze and propose solutions		✓	
Ability to focus on a task and not be easily distracted or discouraged			✓
Philosophical/Reflective thinking, able to be objective and learn from looking back			✓
Total Number Checked/Column	0	2	2

Other Skills and Abilities

Rate your proficiency in each area by a check mark in one column for each skill area.

Skill Area	Low	Medium	High
Machining		✓	
Welding	✓		
Circuit troubleshooting/testing	✓		
Solid modeling		✓	
Artistic (3D, sketching, etc.)		✓	
Finite Element Analysis		✓	
Other			
Other			
Total Number Checked/Column	2	4	0

ME 476C Skills Matrix Inventory

Name Ryan Talbott

Courses Taken or Taking
If you earned a C or better, enter a check mark in the appropriate column to indicate if or when taken.

Course or Equivalent	Earlier	S02	F02	S03	F03	S04	Curre
ME 386 – Engineering Design, Methods						X	
Computer Programming MAT 362							X
EE 222 – Programming in MATHCAD/MATLAB					X		
ME 365 – Machine Design						X	
ME 381- Advanced CAD/CAM							
ME 454 – Finite Element Analysis							
ME 443 – Turbomachinery							
ME 484 – Mechanical Analysis & Synthesis							X
Other ME 467 Manufacturing Processes						X	
Other							

Computer Skills
Rate your proficiency in each skill area by checking one column for each skill area.

Skill Area	None	Low	Medium	High
Programming (best language)				X
Spreadsheet software			X	
Presentation software				X
Scheduling software		X		
Mathematics software			X	
Email				X
Web page development		X		
C++ Programming			X	
HTML coding	X			
Autocad				X
ADAMS/Solidworks				X
Total the number checked per column	1	2	3	5

Communication Skills
Rate your proficiency in each area by checking one column for each skill area.

Skill Area	Low	Medium	High
Editing		X	
Sentence structure		X	
Organization of writing, ability to present ideas clearly and logically			X
Persuasive writing, ability to build a Convincing argument			X

Skills Matrix Inventory.doc 8-29-04

Skill Area	Low	Medium	High
Technical report writing, ability to organize facts and draw logical conclusions			X
Writing Instructions for others to follow			X
One-on-one Oral Communication, able to offer cogent and relevant options/ideas			X
Presentation Skills, able to give a speech or presentation to a group of peers			X
Total Number Checked per Column	0	2	6

Teaming Skills
Rate your proficiency in each area by checking one column for each skill area.

Skill Area	Low	Medium	High
Patience with others			X
Active participant on teams			X
Prefer working on a team when compared to working alone		X	
Team leadership skills		X	
Negotiation ability, able to listen to and evaluate alternatives, compromising when necessary			X
Mediation ability, able to help clarify and resolve conflicts			X
Total Number Checked per Column	0	2	4

Thinking Skills
Rate your proficiency in each area by a check mark in one column for each skill area.

Skill Area	Low	Medium	High
Creativity and Innovation, able to think of alternatives and other ways of doing things			X
Problem solving, able to formulate, analyze and propose solutions			X
Ability to focus on a task and not be easily distracted or discouraged			X
Philosophical/Reflective thinking, able to be objective and learn from looking back		X	
Total Number Checked/Column	0	1	3

Other Skills and Abilities
Rate your proficiency in each area by a check mark in one column for each skill area.

Skill Area	Low	Medium	High
Machining			X
Welding		X	
Circuit troubleshooting/testing	X		
Solid modeling			X
Artistic (3D, sketching, etc.)			X
Finite Element Analysis		X	
Other _____			
Other _____			
Total Number Checked/Column	0	3	3