Please make any necessary changes to the department's purpose statement, goals, or student learning outcomes. Remember each SLO must be assessed between program review cycles.

Technology/ Auto Restoration Program Purpose Statement:

The department of technology commits itself to developing whole persons through experiential problem solving and the systematic study of technology.

The department achieves this purpose when its students:

Program Student Learning Outcomes	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
Demonstrate awareness of how technology changes and interacts with society	Program Review			Assessment Planning		X	Program Review-Spring
Possess a professional orientation for employment or advanced programs, or develop vocational interests in technology						X	
Have acquired technical skills and craftsmanship through systematic study, experiences with technological artifacts, and the solving of technical problems.						X	

Technology Major

McPherson College offers a unique degree program of authentic auto restoration technology emphasizing hands-on skills and historical research. This program results in a unique departmental blend of contemporary technology and traditional craftsmanship. The Bachelor of Science in Technology major has six different options from which to choose:

Historic Automotive Technology Option Goals:

The goal of the Historic Automotive Technology option is to develop graduates who are prepared for professional pursuits in the area of automotive history and/or graduate study.

This program achieves its purposes when graduates:

Program Student Learning Outcomes	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
Demonstrate an understanding of the major technological systems of the automobile	Program Review			Assessment Planning		X	Program Review-Spring
Demonstrate an understanding of authentic antique automobile restoration materials, methods and techniques						X	
Demonstrate proficiency in the use of the materials and tools necessary to complete authentic automobile restoration work						X	
Demonstrate the attitudes, knowledge and skills necessary to pursue a successful career in antique automobile restoration						X	
Possess knowledge of historical automotive research material sources, methods and techniques necessary to complete historically accurate automotive restorations						X	
Demonstrate knowledge of the historical role of the automobile in modern society						X	
Demonstrate knowledge of the role of the automobile in the history of transportation, technology and science.						X	

Automotive Restoration Management Option Goals:

The goal of the Automotive Restoration Management option is to develop graduates who are prepared for professional pursuits and/or graduate study.

This program achieves its purposes when its graduates:

Program Student Learning Outcomes	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
Demonstrate an understanding of the major technological systems of the automobile	Program Review			Assessment Planning		X	Program Review-Spring
Demonstrate an understanding of authentic antique automobile restoration materials, methods and techniques						X	
Demonstrate proficiency in the use of the materials and tools necessary to complete authentic automobile restoration work						X	
Demonstrate the attitudes, knowledge and skills necessary to pursue a successful career in antique automobile restoration						X	
Capitalize on Automotive Restoration Technology program connections with automotive business to place students in productive internships						X	
Demonstrate knowledge, understanding, and application of the principles, concepts, and tools in each key content area of their major						X	
Perform research, analysis, and critical thinking necessary to integrate key content from various business disciplines and other dimensions of society						X	
Perform effectively in groups						X	
Persuasively communicate business-related ideas in a variety of media and settings.						X	

Automotive Communication Option Goals:

The goal of the Automotive Communications Major 0ption is to develop graduates who have the skills and technical knowledge to communicate effectively in a variety of media to an audience focused on automotive issues.

This program achieves its purposes when its graduates:

Program Student Learning Outcomes	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
Demonstrate knowledge of methods and techniques necessary to complete and document historically accurate automotive restorations	Program Review			Assessment Planning		X	Program Review-Spring
Demonstrate knowledge of the historical role of the automobile in modern society and of historical automotive research material sources						X	
Demonstrate oral and written communication skills necessary to pursue a successful career in automotive communication, publishing or other media						X	
Design attractive, effective documents, graphics, and publications targeted at specific audiences						X	
Understand the media of communication, including mass media and computer technologies						X	
Make ethical choices in their professional lives.						X	

Automotive Restoration Design Technology Option Goals:

The Automotive Restoration Design Technology option is for the student who wishes to pursue a career in automotive art. This option will develop majors who possess the technical knowledge and artistic abilities necessary to execute a variety of art skills sensitively and intelligently, analyze and critique art, and relate the creative process to life in personally meaningful ways.

This degree option within the technology and art departments is oriented to meet the needs of students who (1) wish to develop and refine their aesthetic values (2) plan for careers as automotive artists (3) plan to further their art education in graduate school.

This program achieves its purposes when its graduates:

Program Student Learning Outcomes	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
Demonstrate an understanding of the major technological systems of the automobile	Program Review			Assessment Planning		X	Program Review-Spring
Demonstrate an understanding of authentic antique automobile restoration materials, methods and techniques						X	
Demonstrate proficiency in the use of the materials and tools necessary to complete authentic automobile restoration work						X	
Possess knowledge of historical automotive research material sources, methods and techniques necessary to complete and document historically accurate automotive restorations						X	
Demonstrate knowledge of the historical role of the automobile in modern society						X	
Demonstrate knowledge of the role of the automobile in the history of transportation, technology and science						X	
Demonstrate the attitudes, knowledge and skills necessary to pursue a successful career in automotive art using a variety of media						X	
Demonstrate performance in a variety of art media						X	
Demonstrate analysis and critique in verbal and written form						X	
Demonstrate an understanding of design principles and elements						X	
Demonstrate awareness of Western and non- Western cultural contributions to art						X	
Demonstrate meaningful connections of art to life through the development of keen perceptual abilities						X	

Automotive Restoration Technology Option Goals:

The Automotive Restoration Technology option is for the student who intends to pursue the authentic restoration of vintage and classic vehicles and develop values of craftsmanship, with attention to detail and an emphasis on authenticity. Graduates will be able to reference a wide variety of processes, methods and will have research capabilities. Graduates will be able to understand the automobile as a technological system and understand its development and role in the world.

This program achieves its purposes when its graduates:

Program Student Learning Outcomes	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
Demonstrate an understanding of the major technological systems of the automobile	Program Review			Assessment Planning		X	Program Review-Spring
Demonstrate an understanding of authentic antique automobile restoration materials, methods and techniques						X	
Possess knowledge of historical automotive research material sources, methods and techniques necessary to complete and document historically accurate automotive restorations						X	
Demonstrate proficiency in the use of the materials and tools necessary to complete authentic automobile restoration work						X	
Demonstrate the attitudes, knowledge and skills necessary to pursue a successful business career in antique automobile restoration						X	
Demonstrate knowledge of the historical role of the automobile in modern society						X	
Demonstrate knowledge of related and supporting scientific fields						X	

1. Select Your Department	Auto Restoration
2. Has the program's purpose, SLOs, or program review year changed from the above document?	No
Upload the edited Purpose/SLO doc here.	
3. Will/did the department submit a program review this year? If yes, please attach the final review as a pdf document.	No
Upload program review pdf.	
1. Please select the type of direct evidence of student learning that was gathered THIS YEAR.	
-Capstone work product (e.g. written paper, presentation, research)	yes
-Exam created by department or external agency	yes
-Oral performance (e.g. oral presentation, conference presentation)	yes
Please describe any other direct evidence gathered this year	In the technology emphasis within our program, students are given a comprehensive exam. They also have a "senior project" which involves 120 hours of work outside of class. They then present their findings from their project in an oral presentation. We have also been looking directly at the current SLOs of our program as well as curriculum maps
2. Please select the type of indirect evidence of student learning that was gathered THIS YEAR.	
Please describe any other indirect evidence gathered this year:	In May, Auto Restoration faculty and staff met with our National Advisory board. In discussions, we talked about student assessment and learning and they provided recommendations. As a result of those discussions, we will include their thoughts in our "recommendations" portion of our program review
3. Please select how the evidence was evaluated, analyzed, or interpreted.	
-Used a rubric/scoring guide	yes
-Scored exams/quizzes	yes
Please describe any other methods not listed:	Senior project oral examinations are Assessed via a rubric that multiple faculty are given. The results are averaged. The comprehensive exam that seniors are given is graded via a master key.
4. Enter the number of students assessed for each SLO.	27
5. Summarize the results of the assessment activities including the percentage of students that met or exceeded each SLO and a list of student learning strengths and weaknesses.	Out of the 27 students that took the comprehensive exam, 13 scored a 70% or above. Out of the 27 students that took the comprehensive exam, 2 scored an 80% or above. Based on these results, it can be seen that there could be a better focus on reviewing material for students before the final comprehensive exam is taken.

6. Please upload any supporting documentation (i.e. rubrics, data analysis, charts/tables, department minutes, etc.)	
7. What describes how the program plans to use the results?	
-Assessment procedure changes (SLOs, curriculum map rubrics, evidence collected, sampling, communications with faculty, etc.)	yes
-Course changes (course content, pedagogy, courses offered, new course, pre-requisites, requirements)	yes
-Personnel or resource allocation changes	yes
Please describe any other uses not listed:	As a department, we are exploring all ways in order to improve student learning. This has involved looking at our current SLOs and discussing how we can update them in order to better serve the current state of our program. This will all be a part of the Program review submitted this upcoming fall.
8. What program changes or modifications to improve student learning were made this year based on last year's assessment results?	Based on last year's results, it was a key indicator that we need to look at the program SLOs. In order to streamline our teaching and make our program better, we can use the curriculum maps to revise the SLOs in order to better teach students in our program.

If you have supporting data please include it. (Previous department reports can be found at Step 01. Use the Previous button below.)	
1. The department will submit a program review NEXT YEAR.	Yes
2. SLO(s) the department will assess NEXT YEAR is/are:	
3. Please select the type of direct evidence of student learning the department plans to use NEXT YEAR.	
Please describe any other direct evidence planned for next year:	
4. Please select the type of indirect evidence of student learning that was gathered NEXT YEAR.	
Please describe any other indirect evidence planned for next year:	
5. Based on previous assessment data, what percentage of students does the department expect to meet or exceed the SLO(s)?	
6. Is the department interested in learning how to apply for an assessment grant?	No

Technology Purpose Statement

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- Possess a professional orientation for employment or advanced programs, or develop vocational interests in technology.
- Have acquired technical skills and craftsmanship through systematic study, experiences with technological artifacts, and the solving of technical problems.

Technology Curriculum Map Key

I= Skill is Introduced

P= Skill is Progressing

M= Skills isMastered

History Automotive Technology Emphasis

Course Requirements

	SLO1: Demonstrate an understanding of the major technological systems of the automobile.	SLO2: Demonstrate an understanding of authentic antique automobile restoration materials, methods, and techniques.	SLO 3: Demonstrate proficiency in the use of the materials and tools necessary to complete authentic automobile restoration work.	SLO 4: Demonstrate the attitudes, knowledge and skills necessary to pursue a successful career in antique automobile restoration.	SLO 5: Possess knowledge of historical automotive research materials sources, methods and techniques necessary to complete historically accurate automotive	SLO 6: Demonstrate knowledge of the historical role of the automobile in modern society.	SLO 7: Demonstrate the knowledge of the role of the automobile in the history of transportation, technology, and science.
TE100 Intro. to Restoration (2 hrs)	-	I	-	I	I	I	I
TE141 Engine Rebuilding (4 hrs)	M	I	I	P	I	I	-
TE145 Drive Train Rebuilding (4 hrs)	P	P	P	I	I	I	I
TE152 Sheet Metal Restoration (4 hrs)	-	I	P	I	-	-	-
TE162 Woodworking Fundamentals (OR)	-	-	I	I	-	-	-
TE262 Machining Technology (3 hrs)	-	-	I	I	-	-	-
TE202 Research & Documentation (2 hrs)	-	-	-	I	P	P	I
TE271 Chassis Restoration (3 hrs)	M	P	P	M	P	P	P
TE275 Automotive Paint Restoration (4 hrs)	P	P	P	P	P	I	I
TE281 Automotive Trim (4 hrs)	P	P	P	P	P	P	I
TE360 Electrical and Electronic Systems (4 hrs)	P	P	P	I	I	-	I
TE385 Restoration Assembly Processes (4 hrs)	P	P	M	M	P	P	P
History Core Courses							
G-HI130 Intro. Mthds. For Hist. Analysis (3hrs)							
HI205 History of the Automobile (3hrs)							
G-HI/TE333 Technology & Society (3 hrs)							
HI410 Colloquium in Historiography (3hrs)							
HI475 Senior Thesis (2hrs)							
History Electives-at least 6 hours from the following:							
AR/HI245 The History of Automotive Design (3hrs)							
G-HI150 American History since 1877 (3hrs)							
G-HI220 Modern Europe (3 hours)							
G-HI236 Topics in Social History (3hrs)							
G-HI237 Topics in Political History (3hrs)							
HI313 Medieval Europe (3hrs)							
HI315 Early Modern Europe (3hrs)							
Highest Outcome Achievement Level	M	P	M	M	P	P	P

Automotive Restoration Management Emphasis Course Requirements	SLO1: Demonstrate an understanding of the major technological systems of the automobile.	SLO2: Demonstrate an understanding of authentic antique automobile restoration materials, methods, and techniques	SLO 3; Demonstrate proficiency in the use of the materials and tools necessary to complete authentic automobile	SLO 4: Demonstrate the attitudes, knowledge and skills necessary to pursue a successful career in antique automobile restoration.	SLO 5: Capitalize on Automotive Restoration Technology program connections with automotive business to place students in productive	SLO 6: Demonstrate knowledge, understanding, and application to the principles, concepts, and tools in each key content area of their major.	SLO 7: Perform research, analysis, and critical thinking necessary to integrate key content from various business disciplines and other	SLO 8: Perform effectively in groups.	SLO 9: Persuasively communicate business-related ideas in a variety of media settings.
HI 205 History of the Automobile (3 hrs)	-	I	-	I	I	I	-	-	-
TE100 Intro. to Restoration (2 hrs)	-	I	-	I	-	-	-		-
TE162 Woodworking Fundamentals (OR)	-	-	I	I	-	-	-	-	-
TE262 Machining Technology (3 hrs)	-	-	I	I	-	-	-	-	-
TE141 Engine Rebuilding (4 hrs)	M	P	P	I	-	-	-	I	-
TE145 Drive Train Rebuilding (4 hrs)	P	P	P	I	-	-	-	I	-
TE152 Sheet Metal Restoration (4 hrs)	-	I	P	I	-	-	-	-	-
TE202 Research & Documentation (2 hrs)	-	-	-	I	I	-	I	I	-
TE271 Chassis Restoration (3 hrs)	M	P	P	I	-	-	-	P	-
TE275 Automotive Paint Restoration (4 hrs)	P	P	P	P	-	-	-	-	-
TE281 Automotive Trim (4 hrs)	P	P	P	P	-	I	-	-	-
TE385 Restoration Assembly Processes (4 hrs)	P	P	M	M	I	P	-	P	I
Business Management Courses									
G-BA101 Introduction to Business (3 hrs)									
EC202 Survey of Economics (3 hrs)									
AC205 Financial Accounting (3 hrs)									
AC206 managerial Accounting (3 hrs)									
BA224 Principles of Management (3 hrs)									
BA325 Financial Management (3 hrs)									
BA235 Small Business Management (3 hrs)									
BA315 Business Law (3 hrs)									
BA321 Marketing (3 hrs)									
BA339 Human Resources Management (3 hrs)									
BA375 Business Ethics (1 hr)									
BA475 Business Strategy and Policy (3 hrs)									
Highest Outcome Level	M	P	M	M	I	P	I	P	I

Automotive Communication Emphasis **Course Requirements**	SLO1: Demonstrate knowledge of methods and techniques necessary to complete and document historically accurate automotive restorations.	SLO2: Demonstrate knowledge of the historical role of the automobile in modern society and of historical automotive research material sources.	SLO 3; Demonstrate oral and written communication skills necessary to pursue a successful career in automotive communications, publishing, or	SLO 4: Design attractive, effective documents, graphics, and publications targeted at specific audiences.	SLO 5: Understand the media of communication, including mass media and computer technologies.	SLO 6: Make ethical choices in their professional lives.
HI 205 History of the Automobile (3 hrs)	-	M	P	-	-	I
TE100 Intro. to Restoration (2 hrs)	I	I	I	-	I	I
TE162 Woodworking Fundamentals (OR)	-	-	-	-	-	-
TE262 Machining Technology (3 hrs)	-	-	-	-	-	-
TE141 Engine Rebuilding (4 hrs)	P	P	-	-	-	-
TE145 Drive Train Rebuilding (4 hrs)	P	P	-	-	-	-
TE152 Sheet Metal Restoration (4 hrs)	-	-	-	-	-	-
TE202 Research & Documentation (2 hrs)	P	P	P	I	I	I
TE271 Chassis Restoration (3 hrs)	M	M	I	-	-	-
TE275 Automotive Paint Restoration (4 hrs)	P	P	P	-	-	-
TE281 Automotive Trim (4 hrs)	P	P	P	-	-	I
TE385 Restoration Assembly Processes (4 hrs)	M	P	P	P	I	P
Communication Core Courses						
G-CM120 Intro. to Human Communications (3 hrs)						
CM135 Media Writing (3 hrs)						
G-CM140 Public Speaking (3 hrs)						
CM210 Multimedia Storytelling (3 hrs)						
G-CM221 Intercultural Communication (3 hrs)						
CM305 Editing (OR)						
CM310 Public Relations (3 hrs)						
CM315 Journalism Practica (3 hrs)						
CM375 Junior Seminar (1 hr)						
CM388 Career Connections in Communication (OR)						
TE388 Career Connections in Technology (3 hrs)						
CM475 Seminar in Communication (2 hrs)						
EN313 Expository Writing (OR)						
EN420 Creative Writing (3 hrs)						
Highest Outcome Level	M	M	P	P	I	P

Automotive Restoration Design Technology Emphasis Course Requirements	SLO1: Demonstrate an understanding of the major technological systems of the automobile.	SLO2: Demonstrate an understanding of authentic antique automobile restoration materials, methods, and techniques.	SLO 3; Demonstrate proficiency in the use of the materials and tools necessary to complete authentic automobile restoration work.	SLO 4: Demonstrate the attitudes, knowledge and skills necessary to pursue a successful career in antique automobile restoration.	SLO 5: Possess knowledge of historical automotive research materials sources, methods and techniques necessary to complete historically accurate automotive restorations.	SLO 6: Demonstrate knowledge of the historical role of the automobile in modern society.	SLO 7: Demonstrate the knowledge of the role of the automobile in the history of transportation, technology, and	SLO 8: Demonstrate performance in a variety of art media.	SLO 9: Demonstrate analysis and critique in verbal and written form.	SLO 10: Demonstrate an understanding of design principles and elements.	SLO 11: Demonstrate awareness of Western and non-Wester cultural contributions to art.	SLO 12: Demonstrate meaningful connections of art to life through the development of keen perceptual abilities.
HI 205 History of the Automobile (3 hrs)	-	-	-	-	P	M	M	-	-	-	-	-
TE100 Intro. to Restoration (2 hrs)	-	I	-	I	I	I	I	-	-	-	-	-
TE110 Technical Drawing/CAD (3 hrs)	-	-	-	-	-	-	-	I	I	I	-	-
TE141 Engine Rebuilding (4 hrs)	M	P	P	I	-	-	-	-	-	-	-	-
TE145 Drive Train Rebuilding (4 hrs)	P	P	P	I	-	-	-	-	-	-	-	-
TE152 Sheet Metal Restoration (4 hrs)	-	I	P	-	-	-	-	-	-	-	-	-
TE162 Woodworking Fundamentals (OR)	-	-	I	I	-	-	-	I	-	-	-	-
TE262 Machining Technology (3 hrs)	-	-	I	I	-	-	-	I	-	-	-	-
TE202 Research & Documentation (2 hrs)	-	-	-	I	P	P	I	-	-	-	-	-
TE271 Chassis Restoration (3 hrs)	M	M	M	I	P	P	P	-	-	-	-	-
TE275 Automotive Paint Restoration (4 hrs)	P	P	P	P	P	I	I	-	-	-	-	-
TE281 Automotive Trim (4 hrs)	P	P	P	P	P	P	I	-	I	I	-	-
TE385 Restoration Assembly Processes (4 hrs)	P	P	M	M	P	P	P	-	-	-	-	-
Art Core Courses												
G-AR101 Drawing (2 hrs)												
G-AR102 Painting I-Acrylics (2 hrs)												
AR103 Elementary Design (3 hrs)												
AR202 Painting II-Advanced Explorations in 2D (Fall) or Water color (Spring) (2 hrs)												
AR203 Photography (2 hrs)												
G-AR220 Graphic Design for Non-Art Majors (3 hrs)												
AR/HI245 The History of Automotive Design (3 hrs)												
G-AR311 Art History II (4 hrs)												
AR348 Intermedia (3 hrs)												
AR475A Senior Concentration (4 hrs)												
Automotive Restoration Design Major Internship/Field experience (recommended):												
TE295/495 Field Experience (work experience in automotive Art/Design) (OR) (1-4 hrs)												
TE388 Career Connections (Internship in automotive Art/Design) (1-12 hrs)												
Highest Outcome Level	M	M	M	M	P	M	M	I	I	I	N/A	N/A

Automotive Restoration Technology Emphasis Course Requirements	SLO1: Demonstrate an understanding of the major technological systems of the automobile.	SLO2: Demonstrate an understanding of authentic antique automotive restoration materials, methods and techniques.	SLO 3; Possess knowledge of historical automotive research material sources, methods and techniques	SLO 4: Demonstrate proficiency in the use of the materials and tools necessary to complete authentic automobile restoration work.	SLO 5: Demonstrate the attitudes, knowledge and skills necessary to pursue a successful business career in antique automobile restoration.	SLO 6: Demonstrate knowledge of the historical role of the automobile in modern society.	SLO 7: Demonstrate knowledge of related and supporting scientific fields.
HI 205 History of the Automobile (3 hrs)							
TE100 Intro. to Restoration (2 hrs)							
TE141 Engine Rebuilding (4 hrs)							
TE145 Drive Train Rebuilding (4 hrs)							
TE152 Sheet Metal Restoration (4 hrs)							
TE162 Woodworking Fundamentals							
TE202 Research & Documentation (2 hrs)							
TE262 Machining Technology (3 hrs)							
TE271 Chassis Restoration (3 hrs)							
TE275 Automotive Paint Restoration (4 hrs)							
TE281 Automotive Trim (4 hrs)							
TE301 Materials and Processes (3 hrs)							
TE360 Electrical & Electronic Systems (4 hrs)							
TE375 Junior Seminar (1 hr)							
TE385 Restoration Assembly Processes (4 hrs)							
TE475 Senior Project (4 hrs)							
6 credit hours from the following upper-level courses:							
TE341 Advanced Engine Rebuilding (3 hrs)							
TE452 Advanced Sheet Metal Restoration (3 hrs)							
TE480 Advanced Automotive Paint Restoration (3 hrs)							
TE481 Applied Trim and Upholstery (3 hrs)							
3 credit hours from the following courses:							
TE252 Vintage Panel Restoration (3 hrs)							
TE242 RE-Babbitting (spring-on demand) (3 hrs)							
TE353 Finishing Touches (3 hrs)							
TE380 Applied Diagnostics (3 hrs)							
TE388 Internship (3 hrs)							
Recommended Supporting Courses							
AR/HI245 The History of Automotive Design (# hrs)							
G-BA101 Intro. to Business (3 hrs)							
G-CH101 Principles of General Chemistry (4 hrs)							
G-PH215 General Physics (4 hrs)							

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- Possess a professional orientation for employment or advanced programs, or develop vocational interests in technology.
- Have acquired technical skills and craftsmanship through systematic study, experiences with technological artifacts, and the solving of technical problems.

Technology Curriculum Map Key

I= Skill is Introduced

P= Skill is Progressing

M= Skills is Mastered

History Automotive Technology Emphasis

Course Requirements

	SLO1: Demonstrate an understanding of the major technological systems of the automobile.	SLO2: Demonstrate an understanding of authentic antique automobile restoration materials, methods, and techniques.	SLO 3: Demonstrate proficiency in the use of the materials and tools necessary to complete authentic automobile restoration work.	SLO 4: Demonstrate the attitudes, knowledge and skills necessary to pursue a successful career in antique automobile restoration.	SLO 5: Possess knowledge of historical automotive research materials sources, methods and techniques necessary to complete historically accurate automotive	SLO 6: Demonstrate knowledge of the historical role of the automobile in modern society.	SLO 7: Demonstrate the knowledge of the role of the automobile in the history of transportation, technology, and science.
TE100 Intro. to Restoration (2 hrs)	-	I	-	I	I	I	I
TE141 Engine Rebuilding (4 hrs)	M	I	I	P	I	I	-
TE145 Drive Train Rebuilding (4 hrs)	P	P	P	I	I	I	I
TE152 Sheet Metal Restoration (4 hrs)	-	I	P	I	-	-	-
TE162 Woodworking Fundamentals (OR)	-	-	I	I	-	-	-
TE262 Machining Technology (3 hrs)	-	-	I	I	-	-	-
TE202 Research & Documentation (2 hrs)	-	-	-	I	P	P	I
TE271 Chassis Restoration (3 hrs)	M	P	P	M	P	P	P
TE275 Automotive Paint Restoration (4 hrs)	P	P	P	P	P	I	I
TE281 Automotive Trim (4 hrs)	P	P	P	P	P	P	I
TE360 Electrical and Electronic Systems (4 hrs)	P	P	P	I	I	-	I
TE385 Restoration Assembly Processes (4 hrs)	P	P	M	M	P	P	P
History Core Courses							
G-HI130 Intro. Mthds. For Hist. Analysis (3hrs)							
HI205 History of the Automobile (3hrs)							
G-HI/TE333 Technology & Society (3 hrs)							
HI410 Colloquium in Historiography (3hrs)							
HI475 Senior Thesis (2hrs)							
History Electives-at least 6 hours from the following:							
AR/HI245 The History of Automotive Design (3hrs)							
G-HI150 American History since 1877 (3hrs)							
G-HI220 Modern Europe (3 hours)							
G-HI236 Topics in Social History (3hrs)							
G-HI237 Topics in Political History (3hrs)							
HI313 Medieval Europe (3hrs)							
HI315 Early Modern Europe (3hrs)							
Highest Outcome Achievement Level	M	P	M	M	P	P	P

Automotive Restoration Management Emphasis Course Requirements	SLO1: Demonstrate an understanding of the major technological systems of the automobile.	SLO2: Demonstrate an understanding of authentic antique automobile restoration materials, methods, and techniques	SLO 3; Demonstrate proficiency in the use of the materials and tools necessary to complete authentic automobile	SLO 4: Demonstrate the attitudes, knowledge and skills necessary to pursue a successful career in antique automobile restoration.	SLO 5: Capitalize on Automotive Restoration Technology program connections with automotive business to place students in productive	SLO 6: Demonstrate knowledge, understanding, and application to the principles, concepts, and tools in each key content area of their major.	SLO 7: Perform research, analysis, and critical thinking necessary to integrate key content from various business disciplines and other	SLO 8: Perform effectively in groups.	SLO 9: Persuasively communicate business-related ideas in a variety of media settings.
HI 205 History of the Automobile (3 hrs)	-	I	-	I	I	I	-	-	-
TE100 Intro. to Restoration (2 hrs)	-	I	-	I	-	-	-		-
TE162 Woodworking Fundamentals (OR)	-	-	I	I	-	-	-	-	-
TE262 Machining Technology (3 hrs)	-	-	I	I	-	-	-	-	-
TE141 Engine Rebuilding (4 hrs)	M	P	P	I	-	-	-	I	-
TE145 Drive Train Rebuilding (4 hrs)	P	P	P	I	-	-	-	I	-
TE152 Sheet Metal Restoration (4 hrs)	-	I	P	I	-	-	-	-	-
TE202 Research & Documentation (2 hrs)	-	-	-	I	I	-	I	I	-
TE271 Chassis Restoration (3 hrs)	M	P	P	I	-	-	-	P	-
TE275 Automotive Paint Restoration (4 hrs)	P	P	P	P	-	-	-	-	-
TE281 Automotive Trim (4 hrs)	P	P	P	P	-	I	-	-	-
TE385 Restoration Assembly Processes (4 hrs)	P	P	M	M	I	P	-	P	I
Business Management Courses									
G-BA101 Introduction to Business (3 hrs)									
EC202 Survey of Economics (3 hrs)									
AC205 Financial Accounting (3 hrs)									
AC206 managerial Accounting (3 hrs)									
BA224 Principles of Management (3 hrs)									
BA325 Financial Management (3 hrs)									
BA235 Small Business Management (3 hrs)									
BA315 Business Law (3 hrs)									
BA321 Marketing (3 hrs)									
BA339 Human Resources Management (3 hrs)									
BA375 Business Ethics (1 hr)									
BA475 Business Strategy and Policy (3 hrs)									
Highest Outcome Level	M	P	M	M	I	P	I	P	I

Automotive Communication Emphasis **Course Requirements**	SLO1: Demonstrate knowledge of methods and techniques necessary to complete and document historically accurate automotive restorations.	SLO2: Demonstrate knowledge of the historical role of the automobile in modern society and of historical automotive research material sources.	SLO 3; Demonstrate oral and written communication skills necessary to pursue a successful career in automotive communications, publishing, or	SLO 4: Design attractive, effective documents, graphics, and publications targeted at specific audiences.	SLO 5: Understand the media of communication, including mass media and computer technologies.	SLO 6: Make ethical choices in their professional lives.
HI 205 History of the Automobile (3 hrs)	-	M	P	-	-	I
TE100 Intro. to Restoration (2 hrs)	I	I	I	-	I	I
TE162 Woodworking Fundamentals (OR)	-	-	-	-	-	-
TE262 Machining Technology (3 hrs)	-	-	-	-	-	-
TE141 Engine Rebuilding (4 hrs)	P	P	-	-	-	-
TE145 Drive Train Rebuilding (4 hrs)	P	P	-	-	-	-
TE152 Sheet Metal Restoration (4 hrs)	-	-	-	-	-	-
TE202 Research & Documentation (2 hrs)	P	P	P	I	I	I
TE271 Chassis Restoration (3 hrs)	M	M	I	-	-	-
TE275 Automotive Paint Restoration (4 hrs)	P	P	P	-	-	-
TE281 Automotive Trim (4 hrs)	P	P	P	-	-	I
TE385 Restoration Assembly Processes (4 hrs)	M	P	P	P	I	P
Communication Core Courses						
G-CM120 Intro. to Human Communications (3 hrs)						
CM135 Media Writing (3 hrs)						
G-CM140 Public Speaking (3 hrs)						
CM210 Multimedia Storytelling (3 hrs)						
G-CM221 Intercultural Communication (3 hrs)						
CM305 Editing (OR)						
CM310 Public Relations (3 hrs)						
CM315 Journalism Practica (3 hrs)						
CM375 Junior Seminar (1 hr)						
CM388 Career Connections in Communication (OR)						
TE388 Career Connections in Technology (3 hrs)						
CM475 Seminar in Communication (2 hrs)						
EN313 Expository Writing (OR)						
EN420 Creative Writing (3 hrs)						
Highest Outcome Level	M	M	P	P	I	P

Automotive Restoration Design Technology Emphasis Course Requirements	SLO1: Demonstrate an understanding of the major technological systems of the automobile.	SLO2: Demonstrate an understanding of authentic antique automobile restoration materials, methods, and techniques.	SLO 3; Demonstrate proficiency in the use of the materials and tools necessary to complete authentic automobile restoration work.	SLO 4: Demonstrate the attitudes, knowledge and skills necessary to pursue a successful career in antique automobile restoration.	SLO 5: Possess knowledge of historical automotive research materials sources, methods and techniques necessary to complete historically accurate automotive restorations.	SLO 6: Demonstrate knowledge of the historical role of the automobile in modern society.	SLO 7: Demonstrate the knowledge of the role of the automobile in the history of transportation, technology, and	SLO 8: Demonstrate performance in a variety of art media.	SLO 9: Demonstrate analysis and critique in verbal and written form.	SLO 10: Demonstrate an understanding of design principles and elements.	SLO 11: Demonstrate awareness of Western and non-Wester cultural contributions to art.	SLO 12: Demonstrate meaningful connections of art to life through the development of keen perceptual abilities.
HI 205 History of the Automobile (3 hrs)	-	-	-	-	P	M	M	-	-	-	-	-
TE100 Intro. to Restoration (2 hrs)	-	I	-	I	I	I	I	-	-	-	-	-
TE110 Technical Drawing/CAD (3 hrs)	-	-	-	-	-	-	-	I	I	I	-	-
TE141 Engine Rebuilding (4 hrs)	M	P	P	I	-	-	-	-	-	-	-	-
TE145 Drive Train Rebuilding (4 hrs)	P	P	P	I	-	-	-	-	-	-	-	-
TE152 Sheet Metal Restoration (4 hrs)	-	I	P	-	-	-	-	-	-	-	-	-
TE162 Woodworking Fundamentals (OR)	-	-	I	I	-	-	-	I	-	-	-	-
TE262 Machining Technology (3 hrs)	-	-	I	I	-	-	-	I	-	-	-	-
TE202 Research & Documentation (2 hrs)	-	-	-	I	P	P	I	-	-	-	-	-
TE271 Chassis Restoration (3 hrs)	M	M	M	I	P	P	P	-	-	-	-	-
TE275 Automotive Paint Restoration (4 hrs)	P	P	P	P	P	I	I	-	-	-	-	-
TE281 Automotive Trim (4 hrs)	P	P	P	P	P	P	I	-	I	I	-	-
TE385 Restoration Assembly Processes (4 hrs)	P	P	M	M	P	P	P	-	-	-	-	-
Art Core Courses												
G-AR101 Drawing (2 hrs)												
G-AR102 Painting I-Acrylics (2 hrs)												
AR103 Elementary Design (3 hrs)												
AR202 Painting II-Advanced Explorations in 2D (Fall) or Water color (Spring) (2 hrs)												
AR203 Photography (2 hrs)												
G-AR220 Graphic Design for Non-Art Majors (3 hrs)												
AR/HI245 The History of Automotive Design (3 hrs)												
G-AR311 Art History II (4 hrs)												
AR348 Intermedia (3 hrs)												
AR475A Senior Concentration (4 hrs)												
Automotive Restoration Design Major Internship/Field experience (recommended):												
TE295/495 Field Experience (work experience in automotive Art/Design) (OR) (1-4 hrs)												
TE388 Career Connections (Internship in automotive Art/Design) (1-12 hrs)												
Highest Outcome Level	M	M	M	M	P	M	M	I	I	I	N/A	N/A

Automotive Restoration Technology Emphasis Course Requirements	SLO1: Demonstrate an understanding of the major technological systems of the automobile.	SLO2: Demonstrate an understanding of authentic antique automotive restoration materials, methods and techniques.	SLO 3; Possess knowledge of historical automotive research material sources, methods and techniques necessary to complete and document historically accurate automotive restorations.	SLO 4: Demonstrate proficiency in the use of the materials and tools necessary to complete authentic automobile restoration work.	SLO 5: Demonstrate the attitudes, knowledge and skills necessary to pursue a successful business career in antique automobile restoration.	SLO 6: Demonstrate knowledge of the historical role of the automobile in modern society.	SLO 7: Demonstrate knowledge of related and supporting scientific fields.
HI 205 History of the Automobile (3 hrs)	-	-	P	-	-	M	I
TE100 Intro. to Restoration (2 hrs)	-	I	I	-	I	I	I
TE141 Engine Rebuilding (4 hrs)	P	P	P	P	I	-	-
TE145 Drive Train Rebuilding (4 hrs)	P	P	P	P	I	I	-
TE152 Sheet Metal Restoration (4 hrs)	-	I	P	P	I	-	I
TE162 Woodworking Fundamentals	-	I	-	I	I	-	-
TE202 Research & Documentation (2 hrs)	-	-	P	-	I	P	I
TE262 Machining Technology (3 hrs)	-	I	-	I	I	-	-
TE271 Chassis Restoration (3 hrs)	M	M	P	P	I	P	-
TE275 Automotive Paint Restoration (4 hrs)	P	P	P	P	P	I	I
TE281 Automotive Trim (4 hrs)	P	P	P	P	-	P	P
TE301 Materials and Processes (3 hrs)	-	M	P	-	-	M	M
TE360 Electrical & Electronic Systems (4 hrs)	P	P	P	I	I	-	I
TE375 Junior Seminar (1 hr)	-	-	I	-	P	-	-
TE385 Restoration Assembly Processes (4 hrs)	P	P	P	M	M	P	P
TE475 Senior Project (4 hrs)	P	M	P	P	M	P	P
6 credit hours from the following upper-level courses:							
TE341 Advanced Engine Rebuilding (3 hrs)	P	P	P	P	P	-	-
TE452 Advanced Sheet Metal Restoration (3 hrs)	-	M	P	M	P	-	I
TE480 Advanced Automotive Paint Restoration (3 hrs)	M	M	P	M	M	P	P
TE481 Applied Trim and Upholstery (3 hrs)	P	M	M	M	I	P	P
3 credit hours from the following courses:	-						
TE252 Vintage Panel Restoration (3 hrs)	I	P	-	P	P	-	-
TE242 Re-Babbitting (spring-on demand) (3 hrs)	-	-	-	-	-	-	-
TE353 Finishing Touches (3 hrs)	-	I	I	I	I	-	-
TE380 Applied Diagnostics (3 hrs)	M	P	P	P	P	-	-
TE388 Internship (3 hrs)	-	-	-	-	-	-	-
Recommended Supporting Courses							
AR/HI245 The History of Automotive Design (# hrs)	-	-	-	-	I	-	-
G-BA101 Intro. to Business (3 hrs)							
G-CH101 Principles of General Chemistry (4 hrs)							
G-PH215 General Physics (4 hrs)							
Highest Outcome Level	M	M	M	M	M	M	M