

# ACADEMIC SENATE PROPOSAL TRACKING SHEET

(Document To Be Originated By Academic Senate Secretary On Canary Color Paper)

**All proposals MUST have their originating college faculty body (Ex. Nursing, Technical Sciences, Arts & Sciences, Education) approval and must be signed by the submitter and the college chair/dean before being submitted to the academic senate secretary.**

1. Submit all proposals (using the appropriate Academic Senate program/degree and/or course revision forms) to the Academic Senate Secretary.
2. The Academic Senate Secretary logs and numbers items and forwards them to the appropriate Academic Senate subcommittee(s): Teacher Education (if applicable), General Education (if applicable), or Curriculum.
3. The Academic Senate subcommittee(s) consider(s) the proposal. If approved, the proposal is forwarded to the next committee. If a committee disapproves the proposal, the originator may request that the item be forwarded to the next body for consideration. The committee will provide written rationale to the originator when a proposal is disapproved and the proposal is returned to the originator.
4. The Academic Senate considers the proposal and approves or disapproves. If approved, the proposal is forwarded to the Full Faculty for consideration. If the Academic Senate disapproves the proposal, the originator may request that the item be forwarded to the Full Faculty for consideration. The Academic Senate will provide written rationale to the originator when proposals are disapproved and the proposal is returned to the originator.
5. The Full Faculty considers academic senate approved proposals. If faculty approve, the proposal will then be forwarded to the Provost. The Provost approves or disapproves the proposal. If approved, the proposal is then forwarded to the Chancellor.
7. The Chancellor approves or disapproves the proposal.

Subcommittee and Academic Senate college representatives will notify their respective colleges' of the progress of submitted proposals or the proposal may be tracked via the web page --

<http://www.msun.edu/admin/provost/asproposals.htm>

Documentation and forms for the curriculum process is also available on the web page:

<http://www.msun.edu/admin/provost/asforms.htm>

\*\*\*\*\* (If a proposal is disapproved at any level, it is returned through the Academic Senate secretary to the Chair/Dean of the submitting college who then notifies the originator.)

<b>Proposal #</b> <u>0336</u>	<b>Title:</b> <u>RRT AAS Program Elimination</u>
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(proposal explanation, submitter and college chair/dean signatures on attached program/degree or course revision form)

Received by ACAD Senate Forwarded to Teacher Ed Council	Date <u>3/3/04</u> _____	Approved _____ Disapproved _____	Signature _____ Date _____	
Forwarded to Gen Ed Committee	_____	Approved _____ Disapproved _____	Signature _____ Date _____	
Returned to ACAD Senate Forwarded to Curriculum Committee	<del>3/3/04</del> <u>3/3/04</u>	Approved _____ Disapproved _____	Signature _____ Date _____	
Returned to ACAD Senate for Vote	<u>3/3/04</u>	Approved <u>X</u> Disapproved _____	Signature _____ Date <u>3/9/04</u>	
Sent to Provost's office for Full Faculty vote Voted on at Full Faculty meeting	<u>3/10/04</u> <u>3/30/04</u>	Approved <u>X</u> Disapproved _____	Signature _____ Date _____	
Forwarded to Provost for Approval/Disapproval	<u>4/2/04</u>	Approved <u>X</u> Disapproved _____	Signature _____ Date <u>4/4/04</u>	
Forwarded to Chancellor for Approval/Disapproval	<u>4/5/04</u>	Approved _____ Disapproved _____	Signature _____ Date _____	

**PROGRAM/DEGREE REVISION FORM**

NEW  DROPPED  MAJOR REVISION  FOR INFORMATION ONLY

College College of Technical Sciences Program Area Railroad Maint & Oper AAS Date 3-4-04

Submitter [Signature] Chair/Dean [Signature] Date 3.3.04  
signature on original signature on original

**Please provide a brief explanation & rationale for the proposed revision(s)**

To provide ACAD search paperwork for the elimination of the Railroad degree

**Please provide in the space below a "before & after" picture of the program with the changes in the program noted. Attach appropriate Course Revision Forms. Please indicate changes by shading the appropriate cells.**

**FRESHMAN YEAR**

- RRT 102 Railroad Technical Crafts 3
- MATH 112 College Algebra 3
- CIS 110 Intro to Computers 3
- BIOL 110 Intro to Envir. Health 3

**CHOOSE ONE OF THE FOLLOWING AREAS**

**Diesel Machinist**

- DIES 104 Intro to Diesel Engines 3
- DIES 114 Intro to Diesel Engines lab 3

**Electronics**

- EET 101 Intro to Electricity/Electronics 5

**General Maintenance**

- DIES 104 Intro to Diesel Engines 3
- DIES 114 Intro to Diesel Engines lab 3

**Diesel Power**

- DIES 104 Intro to Diesel Engines 3
- DIES 114 Intro to Diesel Engines lab 3

**Welding**

- METL 154 Gas Arc Welding Processing 3
- METL 140 Intro to Welding & Cutting 3

**Computer Programming**

- CIS 115 Intro to Programming 3

**Management**

- BUS 110 Creative Problem Solving 3
- ACCT 261 Principles of Accounting I 3

**Office**

- BUED 100 Basic Keyboard 2
- BUED 142 Intro to Wordprocessing 2

OR

- CIS 285 Spreadsheet 3

**Courses to be taken Spring Semester**

- RRT 101 History of Railroading 3
- ENGL 111 Written Communication I 3
- BUS 100 Intro to Business 3

**SELECT THE COURSES REQUIRED FOR YOUR AREA CHOICE**

**Diesel Machinist**

- METL 155 Machining Processes 3

**Electronics**

- EET 103 Electronics Fundamental I 5

**General Maintenance**

- EET 110 Electronics Survey I 3
- METL 140 Intro to Welding & Cutting 3

**Diesel Power**

- DIES 204 Intro to Hydraulics/Pneumatics 2
- DIES 214 Intro to Hydraulics/Pneumatics lab 2

**Welding**

- METL 150 Shielded Metal Arc Welding 3

**Computer Programming**

- CIS 155 Programming Level I 3

**Management**

CIS	285 Spreadsheet	3
BUS	120 Leadership & Quality Mgmt.	3

**Office**

BUED	230 Office Skills	2
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**Courses to be taken Fall Semester**

RRT	201 Railroad Operations	3
PHYS	114 Found. of Physical Science	4
ENGL	112 Written Communication II	3
	Gen Ed (Area A-B Hum/Soc Sci)	3

**SELECT THE COURSES REQUIRED FOR YOUR AREA CHOICE****Diesel Machinist**

METL	140 Intro To Welding & Cutting	3
METL	265 Intro to CNC/CAM	3

**Electronics**

EET	207 Digital Fundamentals	5
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**General Maintenance**

DIES	204 Intro to Hydraulics/Pneumatics	2
DIES	214 Intro to Hydraulics/Pneumatics lab	2

**Diesel Power**

DIES	262 Diesel Diagnosis & Repair	2
DIES	272 Diesel Diagnosis & Repair lab	4

**Welding**

METL	185 Metal Fabrication I	3
METL	260 Repair & Maintenance Welding	3

**Computer Programming**

CIS	255 Programming Level II	3
CIS	270 Systems Analysis & Design	4

**Management**

CIS	111 Integrated Business Apps.	3
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**Office**

ACCT	261 Prin. of Accounting I	3
CIS	111 Integrated Business Apps.	3

**Courses to be taken Spring Semester**

RRT	202 Railroad Safety, Envir. & Quality	3
CHEM	111 General Chemistry	3
SPCH	141 Fund. of Speech	3
HPE	234 First Aid & CPR	2

**SELECT THE COURSES REQUIRED FOR YOUR AREA CHOICE****Diesel Machinist**

METL	270 Product Development	3
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**Electronics**

EET	204 Electronics Fundamental II	4
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**General Maintenance**

BODY	143 Refinishing	3
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**Diesel Power**

DIES	116 Diesel Fuel Systems	3
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**Welding**

METL	285 Weld Certification Proc. I	3
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**Computer Programming**

CIS	171 Database Level I	3
CIS	285 Spreadsheet	3

**Management**

BUS	271 Legal Envir. of Business	3
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**Office**

BUED	238 Automated Office	3
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## COURSE REVISION FORM

NEW \_\_\_ DROPPED X MAJOR REVISION \_\_\_ FOR INFORMATION ONLY \_\_\_

College COTS Program Area Railroad Associate of Applied Science Date 3-04-04

Submitter \_\_\_\_\_ Chair/Dean \_\_\_\_\_ Date \_\_\_\_\_  
Signature On Original Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):  
To provide ACAD senate paperwork for the elimination of the Railroad degree

**Department:** College of Technical Sciences: Industrial & Engineering Technology  
**Program Area:** Railroad Operations  
**Date:** February 1998

**Course pref and no.:** RRT 101  
**Course title:** The History of Railroading  
**Credits:** 3

**Required by:** Railroad Maintenance & Operations Associate Degree

**Selective in:**  
**Elective in:**  
**General Educ:**

**Lecture:** X  
**Lecture/lab:**  
**Contract hrs. lecture:** 3  
**Contact hrs. lab:**

### Current/proposed Catalog Description (Include all prerequisites:)

This course covers the history and traditions of railroading and the industry's role in North American economic development.

### Course Outcome Objectives:

Upon successful completion of this course, students will be able to list and explain the significance of major events in North American railroading.

**New instructional Resources needed (including: library materials, special equipment, and facilities).**  
**Please note: approval does not indicate support for new faculty or additional resources.**

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## COURSE REVISION FORM

NEW \_\_\_\_ DROPPED X MAJOR REVISION \_\_\_\_ FOR INFORMATION ONLY \_\_\_\_

College COTS Program Area Railroad Associate of Applied Science Date 3-04-04

Submitter \_\_\_\_\_ Chair/Dean \_\_\_\_\_ Date \_\_\_\_\_  
Signature On Original Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):  
To provide ACAD senate paperwork for the elimination of the Railroad degree

**Department:** College of Technical Sciences: Industrial & Engineering Technology  
**Program Area:** Railroad Operations  
**Date:** February 1998

**Course pref and no.:** RRT 102  
**Course title:** Railroad Technical Crafts  
**Credits:** 3

**Required by:** Railroad Maintenance & Operations Associate Degree

**Selective in:**  
**Elective in:**  
**General Educ:**

**Lecture:** X  
**Lecture/lab:**  
**Contract hrs. lecture:** 3  
**Contact hrs. lab:**

### **Current/proposed Catalog Description (Include all prerequisites:)**

This course includes information about technical careers in railroading, enabling students to choose suitable career paths. This course includes field trips that will demonstrate the relationships among technical work groups in day-to-day railroad operations.

### **Course Outcome Objectives:**

Upon successful completion of this course, students will be able to describe basic technical job functions, requirements, and characteristics.

**New instructional Resources needed (including: library materials, special equipment, and facilities).**  
**Please note: approval does not indicate support for new faculty or additional resources.**

## COURSE REVISION FORM

NEW  DROPPED  MAJOR REVISION  FOR INFORMATION ONLY

College COTS Program Area Railroad Associate of Applied Science Date 3-04-04

Submitter \_\_\_\_\_ Chair/Dean \_\_\_\_\_ Date \_\_\_\_\_  
Signature On Original Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):  
To provide ACAD senate paperwork for the elimination of the Railroad degree

**Department:** College of Technical Sciences: Industrial & Engineering Technology

**Program Area:** Railroad Operations

**Date:** February 1998

**Course pref and no.:** RRT 201

**Course title:** Railroad Operations

**Credits:** 3

**Required by:** Railroad Maintenance & Operations Associate Degree

**Selective in:**

**Elective in:**

**General Educ:**

**Lecture:** X

**Lecture/lab:**

**Contract hrs. lecture:** 3

**Contact hrs. lab:**

**Current/proposed Catalog Description (Include all prerequisites:)**

This course includes information about the industry, it's major assets, structure, and typical operations.

**Course Outcome Objectives:**

Upon successful completion of this course, students will be able to define the current North American railroading industry characteristics, basic operations components and processes, and industry structure and administrative processes.

**New instructional Resources needed (including: library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.**

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## COURSE REVISION FORM

NEW  DROPPED  MAJOR REVISION  FOR INFORMATION ONLY

College COTS Program Area Railroad Associate of Applied Science Date 3-04-04

Submitter \_\_\_\_\_ Chair/Dean \_\_\_\_\_ Date \_\_\_\_\_  
Signature On Original Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):  
To provide ACAD senate paperwork for the elimination of the Railroad degree

**Department:** College of Technical Sciences: Industrial & Engineering Technology  
**Program Area:** Railroad Operations  
**Date:** February 1998

**Course pref and no.:** RRT 202  
**Course title:** Railroad Safety, Environment & Quality  
**Credits:** 3  
**Required by:** Railroad Maintenance & Operations Associate Degree

**Selective in:**  
**Elective in:**  
**General Educ:**

**Lecture:** X  
**Lecture/lab:**  
**Contract hrs. lecture:** 3  
**Contact hrs. lab:**

### Current/proposed Catalog Description (Include all prerequisites:)

This course covers the importance of safety, quality, personal health, and environment awareness to the railroad industry and emphasizes the basic tools and techniques for improving these conditions on the job.

### Course Outcome Objectives:

Upon successful completion of this course, students should be able to define and explain the needs for improved safety, quality, health, and environmental awareness; describe their basic principles; explain the elements of successful programs, and apply these elements to typical tasks on the job.

**New instructional Resources needed (including: library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.**