

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.)

Proposal # <u>06-05</u>	Title: <u>Carpentry Certificate + AAS - new programs</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 Forwarded to Gen Ed Committee Returned to ACAD Senate Forwarded to Curriculum Committee Returned to ACAD Senate for Vote Sent to Provost's office for Full Faculty vote Voted on at Full Faculty meeting Forwarded to Provost for Approval/Disapproval Forwarded to Chancellor for Approval/Disapproval Copies sent to originating college and registrar's office	Date <u>10/10/06</u> <u>NA</u> <u>10/10/06</u> <u>10/10/06</u> <u>10/10/06</u> <u>11/17/06</u> <u>11/27/06</u> <u>11/28/06</u> <u>11/30/06</u> <u>12/11/06</u> <u>12/12/06</u>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Approved _____</td> <td style="width: 50%; text-align: center;">Disapproved _____</td> </tr> <tr style="border-top: 1px solid black;"> <td style="text-align: center;">Signature _____</td> <td style="text-align: center;">Date _____</td> </tr> <tr> <td style="text-align: center;">Approved _____</td> <td style="text-align: center;">Disapproved _____</td> </tr> <tr> <td style="text-align: center;">Signature <u>[Signature]</u></td> <td style="text-align: center;">Date <u>10/10/06</u></td> </tr> <tr> <td style="text-align: center;">Approved _____</td> <td style="text-align: center;">Disapproved _____</td> </tr> <tr> <td style="text-align: center;">Signature <u>[Signature]</u></td> <td style="text-align: center;">Date <u>10/2/06</u></td> </tr> <tr> <td style="text-align: center;">Approved _____</td> <td style="text-align: center;">Disapproved _____</td> </tr> <tr> <td style="text-align: center;">Signature <u>[Signature]</u></td> <td style="text-align: center;">Date <u>11/26/06</u></td> </tr> <tr> <td style="text-align: center;">Approved _____</td> <td style="text-align: center;">Disapproved _____</td> </tr> <tr> <td style="text-align: center;">Signature <u>[Signature]</u></td> <td style="text-align: center;">Date <u>11/28/06</u></td> </tr> <tr> <td style="text-align: center;">Approved _____</td> <td style="text-align: center;">Disapproved _____</td> </tr> <tr> <td style="text-align: center;">Signature <u>[Signature]</u></td> <td style="text-align: center;">Date <u>12/11/06</u></td> </tr> <tr> <td style="text-align: center;">Approved _____</td> <td style="text-align: center;">Disapproved _____</td> </tr> <tr> <td style="text-align: center;">Signature <u>[Signature]</u></td> <td style="text-align: center;">Date <u>12/11/06</u></td> </tr> </table>	Approved _____	Disapproved _____	Signature _____	Date _____	Approved _____	Disapproved _____	Signature <u>[Signature]</u>	Date <u>10/10/06</u>	Approved _____	Disapproved _____	Signature <u>[Signature]</u>	Date <u>10/2/06</u>	Approved _____	Disapproved _____	Signature <u>[Signature]</u>	Date <u>11/26/06</u>	Approved _____	Disapproved _____	Signature <u>[Signature]</u>	Date <u>11/28/06</u>	Approved _____	Disapproved _____	Signature <u>[Signature]</u>	Date <u>12/11/06</u>	Approved _____	Disapproved _____	Signature <u>[Signature]</u>	Date <u>12/11/06</u>
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PROGRAM/DEGREE REVISION FORM

NEW X DROPPED _____ MAJOR REVISION _____ FOR INFORMATION ONLY

College College of Technical Science Program Area Carpentry Tech. Certificate & AAS

Date 9/1

Submitter [Signature]

signature

/Dean [Signature]

signature

Date 10-10-08

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

To establish new carpentry certificate and Associate of Applied Science program

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.

CARPENTRY TECHNOLOGY ASSOCIATE OF APPLIED SCIENCE

PROPOSED COURSES

Courses to be taken Freshman Fall Semester

ELEC	133 Basic Wiring	3	
✓IT	115 Cnst. Technology & Fundamentals	3	
DRFT	131 Technical Graphics	3	
CARP	120 Carpentry I	4	
			13

Courses to be taken Freshman Spring Semester

CARP	130 Carpentry II	3	
CARP	131 Carpentry Level 2b	3	
CARP	150 Carpentry Practicum	3	
IT	111 Ind Safety/Waste Mgmt	2	
	General Education	3	
MAAS	106 Technical Math	3	17
			30

Courses to be taken Soph - Fall Semester

·	CARP	220 Interior Finishing	4	
·	METL	140 Welding	3	
·	BUS	120 Leadership	3	
·	DRFT	156 Introduction to CAD	3	
·	IT	130 Basic Rigging	1	
·	IT	131 Metal Building Construction	1	
·	CARP	210 Intro to Finish Carpentry	3	
				18

Courses to be taken Soph - Spring Semester


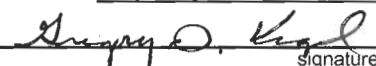
·	CARP	230 Advanced Roof, Floor, Wall & Stair Systems	4	
·	CARP	250 Carpentry Practicum II	3	
·	ENGL	111 Communication I	3	
·	IT	120 Concrete Forms, Reinforcement & Handling	5	
·	CARP	240 Adv. Topics & Commercial Applications	3	
				18
				36
				66

carp associate 67 NEW prog rev lj51

PROGRAM/DEGREE REVISION FORM

NEW X DROPPED _____ MAJOR REVISION _____ FOR INFORMATION ONLY

College College of Technical Sciences Program Area Carpentry Tech. Certificate & AAS Date 9-16-06

Submitter  /Dean  Date 10.10.06
signature signature

Please provide a brief explanation & rationale for the proposed revision(s)
To establish new carpentry certificate and AAS program

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.

CARPENTRY TECHNOLOGY CERTIFICATE

PROPOSED COURSES

Courses to be taken Fall Semester

ELEC	133 Basic Wiring	3
IT	115 Cnst. Technology & Fundamentals	3
DRFT	131 Technical Graphics	3
CARP	120 Carpentry I	4
		13

Courses to be taken Spring Semester

CARP	130 Carpentry II	3
CARP	131 Carpentry Level 2b	3
CARP	150 Carpentry Practicum	3
IT	111 Ind Safety/Waste Mgmt	2
	General Education	3
MAAS	106 Technical Math	3
		17
		30

COURSE REVISION FORM

NEW X DROPPED MAJOR REVISION FOR INFORMATION ONLY

College COTS Program Area Carpentry AAS Date 9/16/06

Submitter _____ Chair/Dean _____ Date _____
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):
New course, CARP 211, for proposed carpentry program.

College: College of Technical Sciences
Program Area: Carpentry Technology Associate of Applied Science
Date:
Course Prefix & No.: IT 131
Course Title: Metal Building Construction
Credits: 1

Required by: Carpentry
Selective in: N/A
Elective in: N/A
General Education:

Lecture:
Lecture/Lab: 1
Contact hours lecture: 2
Contact hours lab: 2

Current Catalog Description (include all prerequisites):

Metal Building Construction is a proposed course within the proposed Associate of Applied Science in Carpentry Technology. This is designed to meet the needs of those entering a position in carpentry technology for the first time.

The curriculum will provide students with working knowledge and experience in the field of carpentry technology.

The specific course goals support the overall goals of a construction technology program.

Prerequisites: IT 115, IT 111, and CARP 120 or instructor's approval
Co-requisites: CARP 210

Course Outcome Objectives:

Upon completion of this course, the student will be able to:

1. Describe various metal building structural components
2. Describe the fastening and assembly methods used when assembling a steel building
3. Identify tools associated with metal building construction

Grading will be determined upon successful completion of tests, assessments, and labs.

- Students are required to pass this class with a grade of 70% or better to advance in the program.
- Students are required to pass this class with a grade of 70% or better to be added to the NCCER National

Registry for completing this course.

- Safety glasses are required at all times in lab settings.

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

The College of Technical Sciences will be utilizing existing lab space in the basement of Brockmann Center. Existing equipment will be used. Additional equipment will be purchased as needed and is budgeted into the expense for the program. (See Appendix I)

COURSE REVISION FORM

NEW X DROPPED MAJOR REVISION FOR INFORMATION ONLY

College COTS Program Area Carpentry AAS Date 9/16/06

Submitter _____ Chair/Dean _____ Date _____
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):
New course, IT 130, for proposed carpentry program.

College: College of Technical Sciences
Program Area: Carpentry Technology Associate of Applied Science
Date:
Course Prefix & No.: IT 130
Course Title: Basic Rigging

Credits: 1

Required by: Carpentry
Selective in: N/A

Elective in: N/A
General Education:

Lecture:
Lecture/Lab: 1
Contact hours lecture: 2
Contact hours lab: 2

Current Catalog Description (include all prerequisites):

Explains how ropes, chains, hoists, loaders, and cranes are used to move material and equipment from one location to another on a job site. It describes inspection techniques and load-handling safety practices as well as reviews American National Standards Institute (ANSI) hand signals. Prerequisites: IT 111

Course Outcome Objectives:

Upon completion of this course, the student will be able to:

1. Demonstrate basic rigging procedures.
2. Demonstrate proper American National Standards Institute (ANSI) hand signals.

Grading will be determined upon successful completion of tests, assessments, and labs.

- Students are required to pass this class with a grade of 70% or better to advance in the program.
- Students are required to pass this class with a grade of 70% or better to be added to the NCCER National Registry for completing this course.
- Safety glasses are required at all times in lab settings.

Grade Breakdown:
Module Tests 40%
Lab Proficiencies 50%
Final Exam 10%

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

The College of Technical Sciences will be utilizing existing lab space in the basement of Brockmann Center. Existing equipment will be used. Additional equipment will be purchased as needed and is budgeted into the expense for the program. (See Appendix I)

IT130courseform06

COURSE REVISION FORM

NEW X DROPPED MAJOR REVISION FOR INFORMATION ONLY

College COTS Program Area Carpentry AAS Date 9/16/06

Submitter _____ Chair/Dean _____ Date _____
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):
New course, IT 120, for proposed carpentry program.

College: College of Technical Sciences
Program Area: Carpentry Technology Associate of Applied Science
Date:
Course Prefix & No.: IT 120
Course Title: Concrete Forms, Reinforcement, and Handling
Credits: 5

Required by: Carpentry
Selective in: N/A
Elective in: N/A
General Education:

Lecture:
Lecture/Lab: X
Contact hours lecture: 1
Contact hours lab: 9

Current Catalog Description (include all prerequisites):

Introduces building forms for footings and foundations as well as for a variety of concrete structures. It introduces methods for handling, placing, and finishing concrete. It also covers manufactured forms and their applications. Prerequisites: IT 115

Course Outcome Objectives:

Upon completion of this course, the student will be able to:

1. Describe concrete mixing and curing.
2. Describe concrete reinforcement materials.
3. Build concrete forms for footings and foundations.
4. Build wall and stair forms.
5. Describe cutting, bending, splicing, tying, and placement of reinforcing materials.
6. Explain the tools, equipment, and procedures for placement and finishing concrete.
7. Describe the manufactured forms available for walls, columns, slabs, beams, and girders.

Grade Breakdown:
Proficiencies - 75%
Final Exam - 25%

- Students are required to pass this class with a 70% or better to advance in the program.

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

The College of Technical Sciences will be utilizing existing lab space in the basement of Brockmann Center. Existing equipment will be used. Additional equipment will be purchased as needed and is budgeted into the expense for the program. (See Appendix I)

COURSE REVISION FORM

NEW DROPPED MAJOR REVISION FOR INFORMATION ONLY

College COTS Program Area Carpentry Cert. & AAS Date 9/16/06
Submitter _____ Chair/Dean _____ Date _____
Signature Signature (indicates "college" level approval)

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

New course, IT 115, for proposed carpentry program.

College: College of Technical Sciences
Program Area: Carpentry Technology Certificate & AAS
Date:
Course Prefix & No.: IT 115
Course Title: Construction Technology & Fundamentals
Credits: 3
Required by: Carpentry Certificate & AAS
Selective in: N/A
Elective in: N/A
General Education:
Lecture:
Lecture/Lab: X
Contact hours lecture: 1
Contact hours lab: 4

Proposed Catalog Description (include all prerequisites):

This course introduces basic concepts in safety, construction math, hand & power tools, blueprint reading, and basic rigging. This course covers safety in the operation of a variety of hand and power tools. It includes reading simple construction-related blueprints as well as overhead crane hand. Thermal and moisture protection using common insulating and vapor systems will be covered.

Course Outcome Objectives:

Upon completion of this course, the student will be able to:

1. Demonstrate the proper use and care of personal protective equipment (PPE).
2. Work safely on the job site.
3. Perform basic math as required by carpenters
4. Safely use a variety of hand and power tools.
5. Recognize and read basic construction blueprints.
6. Demonstrate basic rigging procedures.
7. Demonstrate proper American National Standards Institute (ANSI) hand signals.
8. Identify the types, R-values, and applications of insulation materials.
9. Properly install vapor barrier, and fiberglass or foam insulating materials.

Grade Breakdown:

Module Tests 40%
Lab Proficiencies 50%
Final Exam 10%

- Students are required to pass this class with a 70% or better to advance in the program.
- Students are required to pass this class with a 70% or better to be added to the NCCER National Registry for completing this course.
- Safety glasses are required at all times in lab settings.

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

The College of Technical Sciences will be utilizing existing lab space in the basement of Brockmann Center. Existing equipment will be used. Additional equipment will be purchased as needed and is budgeted into the expense for the program. (See Appendix I)

COURSE REVISION FORM

NEW DROPPED MAJOR REVISION FOR INFORMATION ONLY

College COTS Program Area Carpentry AAS Date 9/16/06

Submitter _____ Chair/Dean _____ Date _____
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):
New course, CARP 250, for proposed carpentry program.

College: College of Technical Sciences
Program Area: Carpentry Technology Associate of Applied Science
Date:
Course Prefix & No.: CARP 250
Course Title: Carpentry Practicum II
Credits: 3

Required by: Carpentry
Selective in: N/A
Elective in: N/A
General Education:

Lecture:
Lecture/Lab: X
Contact hours lecture:
Contact hours lab: 9
Current Catalog Description (include all prerequisites):

Provides students the opportunity to practice skills they have acquired in the entire carpentry program. It includes task-orientated projects in which students can apply many of the skills and knowledge that have been presented throughout the NCCER Carpentry program. This course is designed as a practical task-orientated exercise utilizing a variety of skills covered in all the NCCER carpentry courses required for the AAS degree.

Prerequisites: CARP 220 or instructor's approval
Co-requisites: CARP 230 and CARP 240 and IT 120

Course Outcome Objectives:

Upon completion of this course, the student will be able to:

1. Choose and use the appropriate fasteners for various exterior siding materials.
2. Layout a metal stud wall without direct supervision.
3. Construct a metal stud wall with openings without direct supervision.
4. Install, tape, and finish drywall with no direct supervision.
5. Layout a suspended ceiling with no direct supervision.

Grade Breakdown:
Proficiencies - 75%
Final Exam - 25%

- Students are required to pass this class with a 70% or better to advance in the program.

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

The College of Technical Sciences will be utilizing existing lab space in the basement of Brockmann Center. Existing equipment will be used. Additional equipment will be purchased as needed and is budgeted into the expense for the program. (See Appendix I)

COURSE REVISION FORM

NEW X DROPPED MAJOR REVISION FOR INFORMATION ONLY

College COTS Program Area Carpentry AAS Date 9/16/06

Submitter _____ Chair/Dean _____ Date _____
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):
New course, CARP 240, for proposed carpentry program.

College: College of Technical Sciences
Program Area: Carpentry Technology AAS
Date:
Course Prefix & No.: CARP 240
Course Title: Adv. Topics & Commercial Applications
Credits: 3
Required by: Carpentry
Selective in: N/A
Elective in: N/A
General Education:

Lecture:
Lecture/Lab: X
Contact hours lecture: 1
Contact hours lab: 4

Proposed Catalog Description (include all prerequisites):

Introduces the basic structural components, fastening methods, and assembly techniques for metal buildings. It provides an overview of the materials and procedures used in application of roofs, wall panels, windows, doors and flashings relating to metal buildings. Introduces basic concepts, practices, and procedures related to the floor covering installation trade. It covers proper safety procedures in the operation of hand and power tools that are related to the trade. This course also reviews and applies math related to floor covering installation.

Prerequisites: IT 115, IT 111, and CARP 120 or instructor's approval
Co-requisites: CARP 250

Course Outcome Objectives:

Upon completion of this course, the student will be able to:

1. Describe various metal building structural components.
2. Describe the fastening and assembly methods used when assembling a steel building.
3. Identify tools associated with metal building construction.
4. Demonstrate the proper procedures for installing a variety of carpet.
5. Demonstrate the proper procedures for installing a variety of resilient floor coverings.
6. Explain the role of government agencies in the flooring industry.
7. Describe a variety of adhesives and their proper uses.
8. Identify safety issues related to the floor covering installation industry.

Grading will be determined upon successful completion of tests, assessments, and labs.

- Students are required to pass this class with a grade of 70% or better to advance in the program.
- Students are required to pass this class with a grade of 70% or better to be added to the NCCER National Registry for completing this course.
- Safety glasses are required at all times in lab settings.

Grade Breakdown:

Module Tests 40%
Lab Proficiencies 50%

Final Exam 10%

- Students are required to pass this class with a 70% or better to advance in the program.
- Students are required to pass this class with a 70% or better to be added to the NCCER National Registry for completing this course.
- Safety glasses are required at all times in lab settings.

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

The College of Technical Sciences will be utilizing existing lab space in the basement of Brockmann Center. Existing equipment will be used. Additional equipment will be purchased as needed and is budgeted into the expense for the program. (See Appendix I)

Carp240courseform06

COURSE REVISION FORM

NEW DROPPED MAJOR REVISION FOR INFORMATION ONLY

College COTS Program Area Carpentry AAS Date 9/16/06

Submitter _____ Chair/Dean _____ Date _____
Signature Signature (indicates "college" level approval)

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

New course, CARP 230, for proposed carpentry program.

College: College of Technical Sciences
Program Area: Carpentry Technology Associate of Applied Science
Date:
Course Prefix & No.: CARP 230
Course Title: Advanced Roof, Floor, Wall, and Stair Systems
Credits: 4
Required by: Carpentry
Selective in: N/A
Elective in: N/A
General Education:
Lecture:
Lecture/Lab: X
Contact hours lecture: 2
Contact hours lab: 4

Proposed Catalog Description (include all prerequisites):

Covers the installation methods and materials for various roofing systems. It covers a variety of flooring applications as well as interior wall construction for residential and commercial structures. It also covers advanced staircase construction.

Prerequisites: CARP 130 or CARP 150, or instructor's approval

Course Outcome Objectives:

Upon completion of this course, the student will be able to:

1. Describe standing seam, lap seam, and built-up roofs.
2. Describe various hardwood, vinyl, tile, and carpeted floor systems.
3. Describe paneling, wainscoting, movable partitions, and curtain walls.
4. Layout wooden staircases.

Grading will be determined upon successful completion of tests, assessments, and labs.

- Students are required to pass this class with a grade of 70% or better to advance in the program.
- Students are required to pass this class with a grade of 70% or better to be added to the NCCER National Registry for completing this course.
- Safety glasses are required at all times in lab settings.

Grade Breakdown:

Module Tests	40%
Lab Proficiencies	50%
Final Exam	10%

- Students are required to pass this class with a 70% or better to advance in the program.
- Students are required to pass this class with a 70% or better to be added to the NCCER National Registry for completing this course..

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

The College of Technical Sciences will be utilizing existing lab space in the basement of Brockmann Center. Existing equipment will be used. Additional equipment will be purchased as needed and is budgeted into the expense for the program. (See Appendix I)

Carp230courseform06

COURSE REVISION FORM

NEW DROPPED MAJOR REVISION FOR INFORMATION ONLY

College COTS Program Area Carpentry AAS Date 9/16/06

Submitter _____ Chair/Dean _____ Date _____
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):
New course, CARP 220 for proposed carpentry program.

College: College of Technical Sciences
Program Area: Carpentry Technology AAS
Date:
Course Prefix & No.: CARP 220
Course Title: Interior Finishing
Credits: 4

Required by: Carpentry
Selective in: N/A

Elective in: N/A
General Education:

Lecture:
Lecture/Lab: X
Contact hours lecture: 2
Contact hours lab: 4

Current Catalog Description (include all prerequisites):

Introduces students to trigonometric leveling, which is used to lay out foundations. This course covers the installation methods and materials for various roofing systems. It covers a variety of flooring applications as well as interior wall construction for residential and commercial structures.

Prerequisites: IT 115, CARP 120, or instructor's approval
Co-requisites:

Course Outcome Objectives:

Upon completion of this course, the student will be able to

1. Use angular measurement to layout a building site
2. Describe the uses of lasers, transits, theodolites and electronic measurement instruments
3. Describe standing seam, lap seam, and built-up roofs
4. Describe various hardwood, vinyl, tile, and carpeted floor systems
5. Describe paneling, wainscoting, movable partitions, and curtain walls

Grade Breakdown:

Module Tests 40%
Lab Proficiencies 50%
Final Exam 10%

- Students are required to pass this class with a 70% or better to advance in the program.- Students are required to pass this class with a 70% or better to be added to the NCCER National Registry for completing this course.
- Safety glasses are required at all times in lab settings.

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

The College of Technical Sciences will be utilizing existing lab space in the basement of Brockmann Center. Existing equipment will be used. Additional equipment will be purchased as needed and is budgeted into the expense for the program. (See Appendix I)
Carp220courseform06

COURSE REVISION FORM

NEW X DROPPED MAJOR REVISION FOR INFORMATION ONLY

College COTS Program Area Carpentry AAS Date 9/16/06

Submitter _____ Chair/Dean _____ Date _____
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):
New course, CARP 210, for proposed carpentry program.

College: College of Technical Sciences
Program Area: Carpentry Technology AAS
Date:
Course Prefix & No.: CARP 210
Course Title: Intro to Finish Carpentry
Credits: 3
Required by: Carpentry
Selective in: N/A
Elective in: N/A
General Education:

Lecture:
Lecture/Lab: X
Contact hours lecture: 2
Contact hours lab: 2

Proposed Catalog Description (include all prerequisites):

Introduces students to materials and methods for sheathing, exterior siding, stairs and roofing. The framing that was done on the building project during CARP 120 will be used to continue studies in this course. Students will apply the knowledge and skills presented during this course to enclose the structure. Students will lay out and build a simple stair system. This course also covers framing with metal studs.

Prerequisites: IT 115, IT 111, and CARP 120 or instructor's approval

Co-requisites: CARP 220

Course Outcome Objectives:

Upon completion of this course, the student will be able to

1. Install exterior siding and gutters
2. Install felt, shingles, and vents
3. Install insulation and vapor barriers
4. Lay out, install, and finish simple a stair system
5. Install metal stud walls

Grade Breakdown:

Module Tests	40%
Lab Proficiencies	50%
Final Exam	10%

- Students are required to pass this class with a 70% or better to advance in the program.
- Students are required to pass this class with a 70% or better to be added to the NCCER National Registry for completing this course.
- Safety glasses are required at all times in lab settings.

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

The College of Technical Sciences will be utilizing existing lab space in the basement of Brockmann Center. Existing equipment will be used. Additional equipment will be purchased as needed and is budgeted into the expense for the program. (See Appendix I)

COURSE REVISION FORM

NEW X DROPPED MAJOR REVISION FOR INFORMATION ONLY

College COTS Program Area Carpentry Certificate & AAS Date 9/16/06

Submitter _____ Chair/Dean _____ Date _____
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):
New course, CARP 150, for proposed carpentry program.

College: College of Technical Sciences
Program Area: Carpentry Technology Certificate & AAS

Date:
Course Prefix & No.: CARP 150
Course Title: Carpentry Practicum
Credits: 3

Required by: Carpentry
Selective in: N/A
Elective in: N/A
General Education:

Lecture:
Lecture/Lab: X
Contact hours lecture:
Contact hours lab: 9

Current Catalog Description (include all prerequisites):

This course provides hands-on experience in which the student applies the basic skills and knowledge presented thus far in the NCCER Carpentry Program. This course is designed as a practical task-orientated exercise utilizing the skills covered in CARP 120, CARP 130, and CARP 131.

Prerequisites: CARP 120 or instructor's approval
Co-requisites: CARP 130 and CARP 131 and IT 111

Course Outcome Objectives:

Upon completion of this course, the student will be able to

1. Use a site plan to place a structure on a plot without direct supervision
2. Demonstrate the ability to layout procedures for framing a stud wall with an opening without direct supervision
3. Demonstrate the ability to choose the proper fastener for a specific application without direct supervision
4. Demonstrate the ability to layout a simple stair system without direct supervision
5. Build a concrete form without direct supervision
6. Demonstrate the ability to choose the proper reinforcing method and materials for a specific concrete application without direct supervision

Grade Breakdown:
Proficiencies - 75%
Final Exam - 25%

- Students are required to pass this class with a 70% or better to advance in the program.

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

The College of Technical Sciences will be utilizing existing lab space in the basement of Brockmann Center. Existing equipment will be used. Additional equipment will be purchased as needed and is budgeted into the expense for the program. (See Appendix I)

COURSE REVISION FORM

NEW X DROPPED _____ MAJOR REVISION _____ FOR INFORMATION ONLY _____

College COTS Program Area Carpentry Certificate & AAS Date 9/16/06

Submitter _____ Chair/Dean _____ Date _____
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):
New course, CARP 131, for proposed carpentry program.

College: College of Technical Sciences
Program Area: Carpentry Technology Certificate & AAS
Date:
Course Prefix & No.: CARP 131
Course Title: Carpentry Level 2b
Credits: 3

Required by: Carpentry
Selective in: N/A

Elective in: N/A
General Education:

Lecture:
Lecture/Lab: X
Contact hours lecture: 1
Contact hours lab: 4

Current Catalog Description (include all prerequisites):

This course covers the stages involved in carpentry from site layout to constructing the footings and foundations. The course introduces site layout, measurement, and leveling procedures and it also introduces some applications of concrete and reinforcing materials.

Prerequisites: IT 115, and CARP 120 or instructor's approval

Co-requisites: CARP 130 and CARP 150 and IT 111

Course Outcome Objectives:

Upon completion of this course, the student will be able to:

1. Build wall, column, slab-and-beam, and stair forms
2. Describe cutting, bending, splicing, tying, and placement of reinforcing materials
3. Explain the tools, equipment, and procedures for placement and finishing concrete.
4. Describe the manufactured forms available for walls, columns, slabs, beams, and girders.

Grading will be determined upon successful completion of tests, assessments, and labs.

- Students are required to pass this class with a 70% or better to advance in the program.
- Students are required to pass this class with a 70% or better to be added to the
- NCCER National Registry for this course.
- Safety glasses are required at all times in lab settings.

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

The College of Technical Sciences will be utilizing existing lab space in the basement of Brockmann Center. Existing equipment will be used. Additional equipment will be purchased as needed and is budgeted into the expense for the program. (See Appendix I)

COURSE REVISION FORM

NEW X DROPPED MAJOR REVISION FOR INFORMATION ONLY

College COTS Program Area Carpentry Certificate & AAS Date 9/16/06

Submitter _____ Chair/Dean _____ Date _____
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):
New course, CARP 130, for proposed carpentry program.

College: College of Technical Sciences
Program Area: Carpentry Technology Certificate & AAS

Date:
Course Prefix & No.: CARP 130
Course Title: Carpentry II
Credits: 3

Required by: Carpentry
Selective in: N/A

Elective in: N/A
General Education:

Lecture:
Lecture/Lab: X
Contact hours lecture: 1
Contact hours lab: 4

Current Catalog Description (include all prerequisites):

This course covers the stages involved in carpentry from site layout to constructing the footings and foundations. This course introduces site layout, measurement, and leveling procedures as well as some applications of concrete and reinforcing materials. The operation of light equipment such as skid steer, fork lift and back hoe equipment will be covered.

Course Outcome Objectives:

Upon completion of this course, the student will be able to:

1. Interpret blueprints, plans and elevations for site layout
2. Do distance measurement and differential leveling for a building site
3. Understand concrete mixing and curing, and reinforcement materials
4. Build concrete forms for footings and foundations
5. Demonstrate safety precautions related to the use of skid-steer, backhoe, front end loader, fork lift and other light equipment.
6. Operate light equipment in site preparation.

Grade Breakdown:

Module Tests	40%
Lab Proficiencies	50%
Final Exam	10%

- Students are required to pass this class with a 70% or better to advance in the program.
- Students are required to pass this class with a 70% or better to be added to the NCCER National Registry for completing this course.
- Safety glasses are required at all times in lab settings

COURSE REVISION FORM

NEW X DROPPED MAJOR REVISION FOR INFORMATION ONLY

College COTS Program Area Carpentry Certificate & AAS Date 9/16/06

Submitter _____ Chair/Dean _____ Date _____
Signature Signature (indicates "college" level approval)

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

New course, CARP 120, for proposed carpentry program.

College: College of Technical Sciences
Program Area: Carpentry Technology Certificate & AAS
Date:
Course Prefix & No.: CARP 120
Course Title: Carpentry I
Credits: 4

Required by: Carpentry
Selective in: N/A
Elective in: N/A
General Education:

Lecture:
Lecture/Lab: X
Contact hours lecture: 2
Contact hours lab: 4

Proposed Catalog Description (include all prerequisites):

This course introduces the carpentry trade, including history, career opportunities, and requirements. The course deals with the identification and application of a variety of building materials, fasteners, and adhesives. The skills needed for framing a simple structure are studied and practiced. The course also covers installation procedures for windows and exterior doors.

Course Outcome Objectives:

1. Understand the history, career opportunities, and responsibilities of a carpenter
2. Understand the availability and application of building materials, fasteners, and adhesives
3. Layout and construct a wooden floor assembly
4. Layout and construct walls and a ceiling
5. Layout and construct a roof
6. Install windows and exterior doors

Grade Breakdown:

Module Tests 40%
Lab Proficiencies 50%
Final Exam 10%

- Students are required to pass this class with a 70% or better to advance in the program.
- Students are required to pass this class with a 70% or better to be added to the NCCER National Registry for completing this course.
- Safety glasses are required at all times in lab settings.

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

The College of Technical Sciences will be utilizing existing lab space in the basement of Brockmann Center. Existing equipment will be used. Additional equipment will be purchased as needed and is budgeted into the expense for the program. (See Appendix I)