



AWFS® Fair 2017

Education Town Hall

*An opportunity to learn about Post Secondary
woodworking programs throughout the country*

Moderator - Duane Griffiths, Stiles Machinery

How will this work:

- 5 minute presentations from each school
- Followed by audience Q&A/panel discussion

Madison College Cabinetmaking & Millwork



[Current Students](#) | [Contact/Locations](#) | [Libraries](#) | [Bookstore](#) | [Calendars](#) | [Faculty/Staff](#)

[Why MATC?](#) [Careers, Programs & Classes](#) [Continuing Education](#) [Paying for College](#) [Campus Life](#)

- CAREERS, PROGRAMS & CLASSES
- Cabinetmaking and Millwork
- Apprenticeships
- Bridge Programs
- Career Pathways
- English Language Learners

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CABINETMAKING AND MILLWORK

One Year Technical Diploma

Program number: 314092

[OVERVIEW](#) [ADMISSION](#) [CURRICULUM](#) [OUTCOMES](#)

The Cabinetmaking and Millwork program at Madison College will arm you with a strong understanding of modern woodworking techniques and equip you for success as a cabinetmaker, finish carpenter,



The Cabinetmaking & Millwork Program at Madison College



State of the Art Equipment



Cabinetmaking

Fall Semester

	Semester 1	Credits
31-409-328	<u>Woodworking 1A: Machinery & Methods</u>	2
31-409-329	<u>Woodworking 1B: Machinery & Methods</u>	3
31-409-331	<u>Woodworking 2: Materials & Processes</u>	5
31-409-385	<u>Drawing 1 & 2</u>	2
31-409-341	<u>Wood Finishing 1</u>	1
31-409-337	<u>Workplace Safety</u>	1
31-801-356	<u>Communication</u>	1
31-804-379	<u>Vocational Mathematics</u>	1
Total		16

Face Frame & 32mm Cabinet Projects



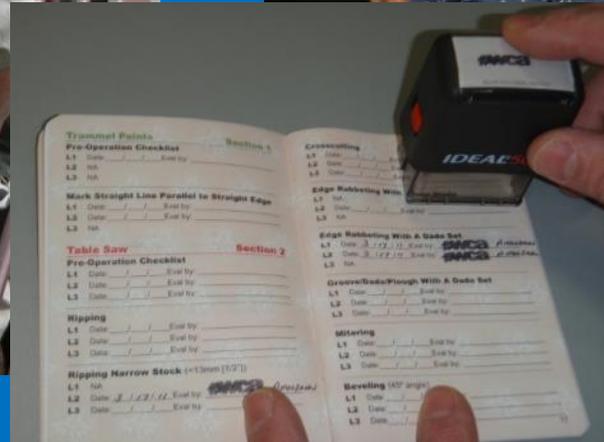
Cabinetmaking

Spring Semester

	Semester 2	Credits
31-409-332	<u>Cabinetmaking, Millwork & Furniture 1</u>	5
31-409-333	Cabinetmaking, Millwork & Furniture 2	5
31-409-345	<u>Wood Finishing 2</u>	1
31-409-340	<u>Tool & Machine Maintenance</u>	1
31-409-342	<u>Countertops and Surfaces</u>	2
31-409-386	<u>AutoCAD for Cabinet Drawing 1 & 2</u>	2
Total		16



Skill Standards



Student Success Stories



Student Success Stories

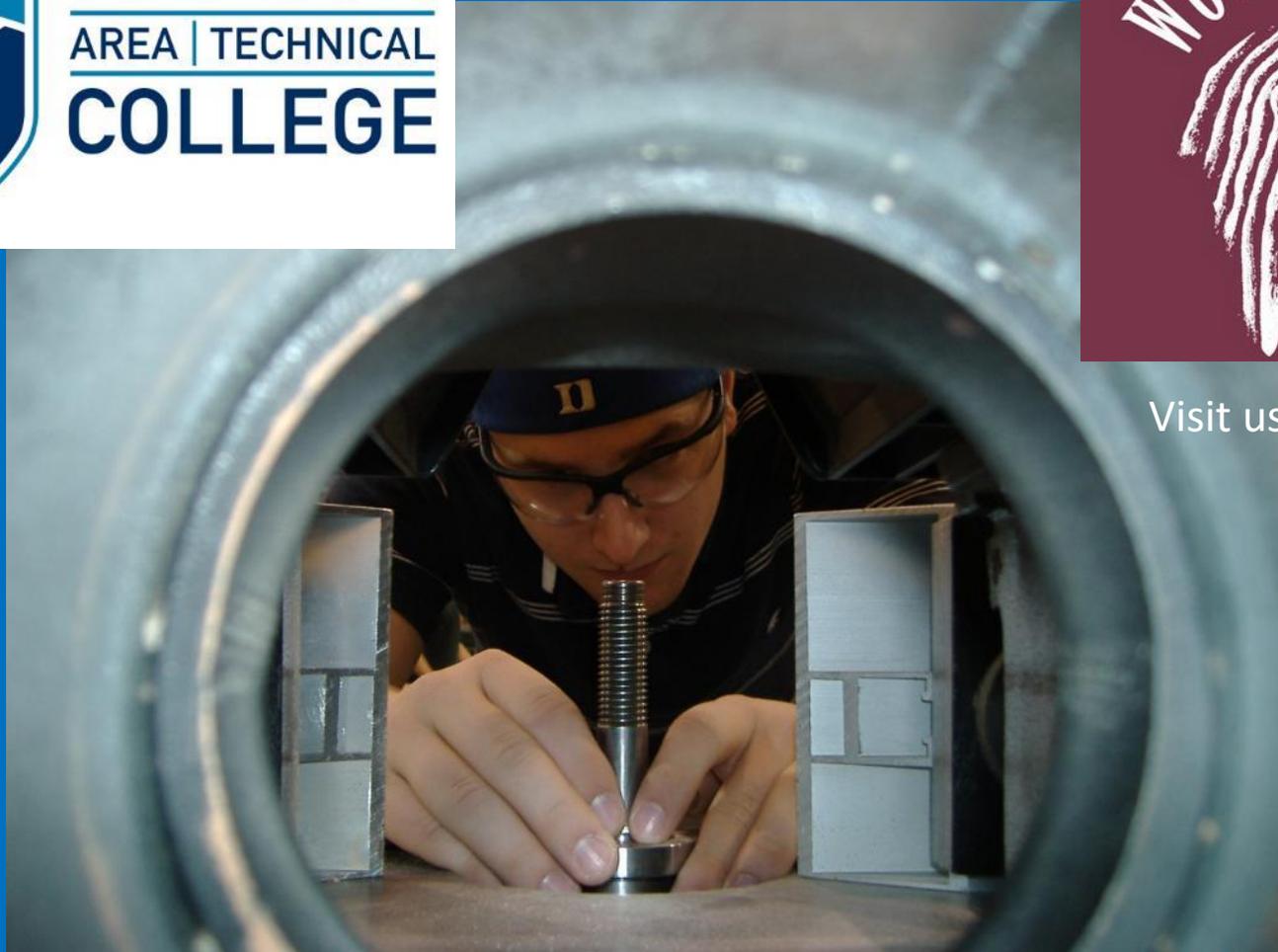
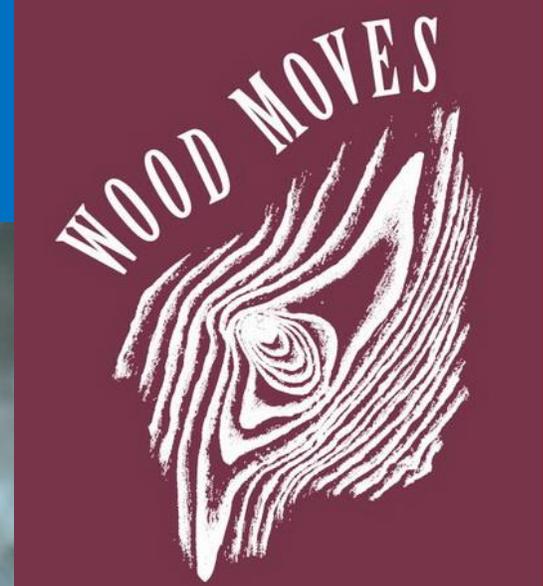


Student Success Stories



International Exchanges





Visit us on Facebook

For more information, contact: Patrick Molzahn, pmolzahn@madisoncollege.edu
608.246.6842

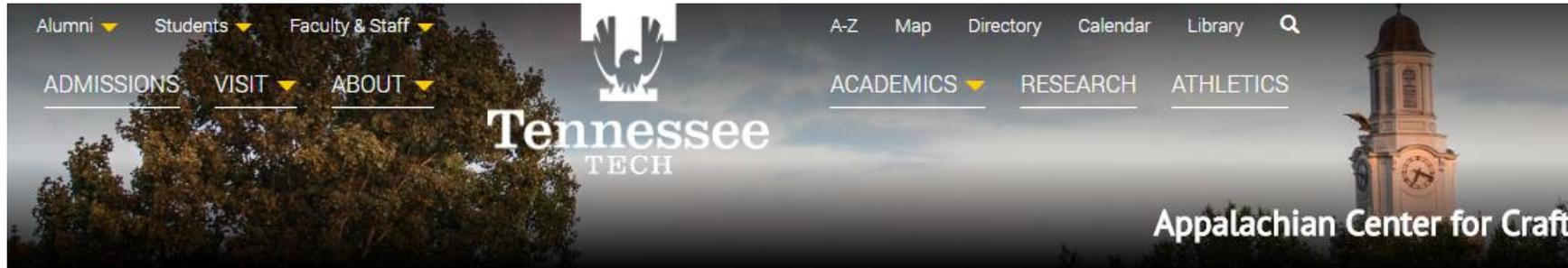
Thank you **Madison College Cabinetmaking & Millwork!**

Learn more:

<https://madisoncollege.edu/program/cabinetmaking-millwork>



Tennessee Tech University



Programs

Wood Concentration

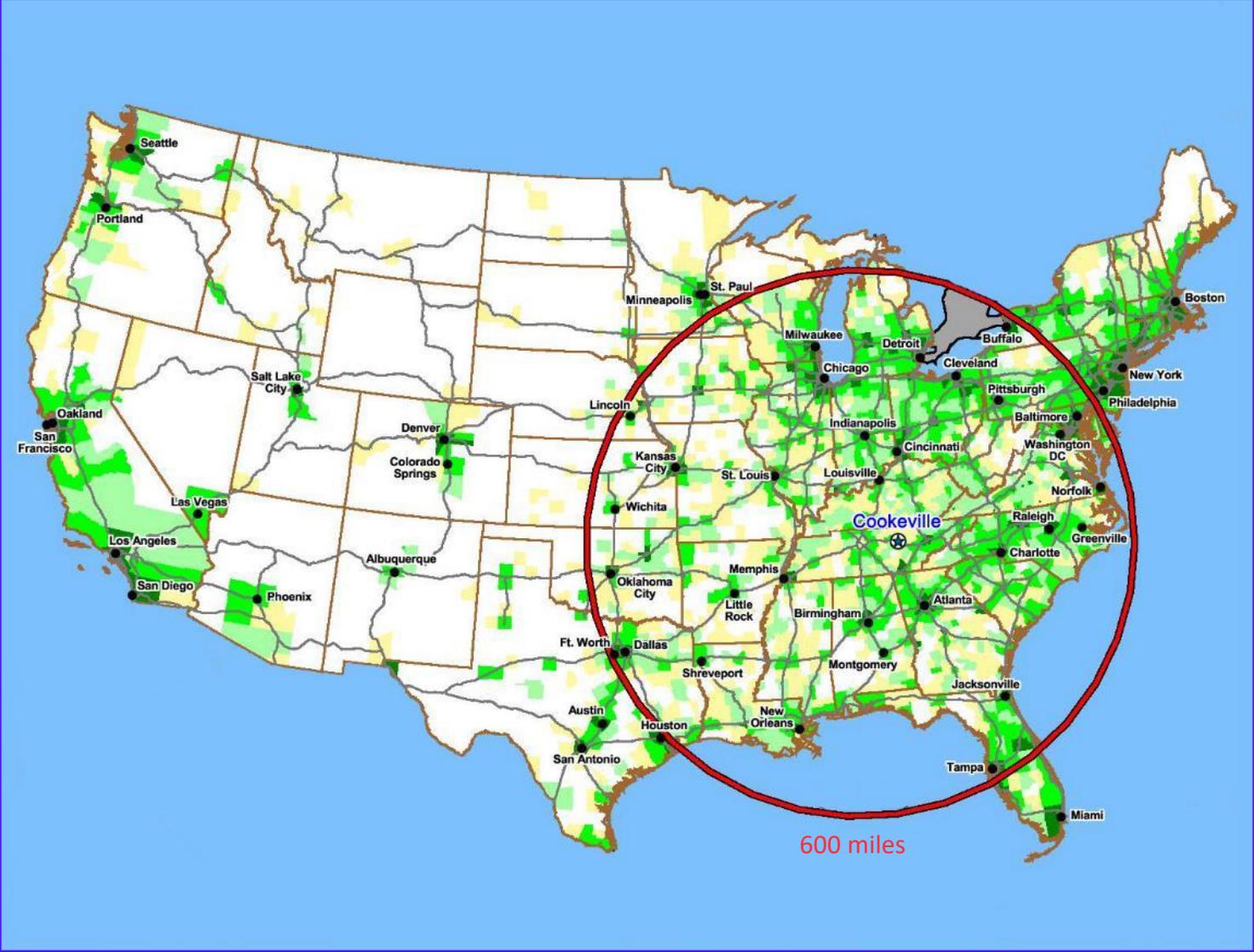
Bachelor of Fine Arts: Wood Concentration

The wood program offers a strong foundation in woodworking and furniture making. The course is composed of a series of eight classes that focus on different aspects of woodworking and design; plus general education requirements.

Each semester concentrates on one of the primary furniture forms: tables, cabinets and chairs, while at the



Tennessee Tech University



Tennessee



100 miles from Nashville, Knoxville or Chattanooga

Two campuses offer the best of both worlds

Tennessee Tech

-Painting -Digital design -Art education



Center for Craft

-Wood -Fibers -Metals -Ceramics -Glass



Well equipped machine rooms



Generous access and small class sizes

Bench rooms with personal work spaces



Bachelor of Fine Arts degree

Equal emphasis on woodworking and design skills



BFA in Wood includes

8 classes on woodworking and furniture design and fabrication

2 semesters in Senior Thesis project



Studio electives

-ceramics

-fibers

-painting

-glass

-blacksmithing

-small metals



Senior Thesis Exhibition



Tuition cost per year

In state - \$ 8,000

Eagles Reach - \$ 12,000
250 miles from Cookeville

Out of state - \$ 24,000



Thank you **Tennessee Tech University!**

Learn more:

<https://www.tntech.edu/craftcenter/programs/wood-concentration/>



Cerritos College

Cabinetmaking, Furniture Making, and CNC Woodworking



Technology Division

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Department Links

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[Class Schedules](#)

[How Do I Get My Certificate?](#)

[How Do I Change My](#)

[Cerritos College](#) > [Technology](#) > [Woodworking](#) > [Cabinetmaking, Furniture Making, And CNC Woodworking](#)

Cabinetmaking, Furniture Making, And CNC Woodworking

Cerritos College Woodworking, one of the finest woodworking schools in Southern California, offers instruction in furniture making, cabinetmaking, CNC woodworking, and related topics. Whether your goal is to acquire new knowledge, gain confidence in or improve your professional woodworking, or develop a rewarding hobby.

Our instructors work out of a 27,000 square-foot facility, where over 100 state-of-the-art machines are available. We emphasize hands-on training and real-world experience. Over forty different classes cover topics including faceframe construction, CNC woodworking, architectural millwork, table and casegoods, woodturning, and veneering.

Cerritos Community College is located southeast of Los Angeles, near the intersection of major freeways. Credit courses are offered weekdays and evenings, and [Community Education](#) is available on weekends.



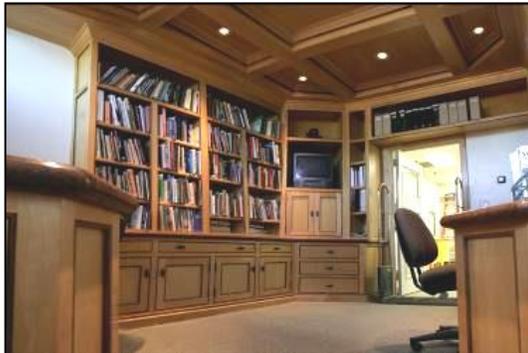


Cerritos College Woodworking

cerritos.edu/wood

Certificate & Degree Options

- ▶ Cabinetmaking
- ▶ Comprehensive Woodworking (Teacher TRAC)
- ▶ Furniture Making



Production Design Team Cerritos Boardroom Table





CNC



furniture making

hand tools class





advanced tables class & chair class

Wood Turning





Learn by Doing



Stoff Room

- Thank you **Cerritos College!**

Learn more here: <https://cms.cerritos.edu/woodworking/>



New England School of Architectural Woodworking (NESAW)

Congratulations to Director Greg Larson, winner of the WMIA [Educator of the Year!](#)

Career Training in Cabinetmaking

Our five-month program prepares both beginning and experienced woodworkers for careers or serious hobbies in the field of cabinetmaking.

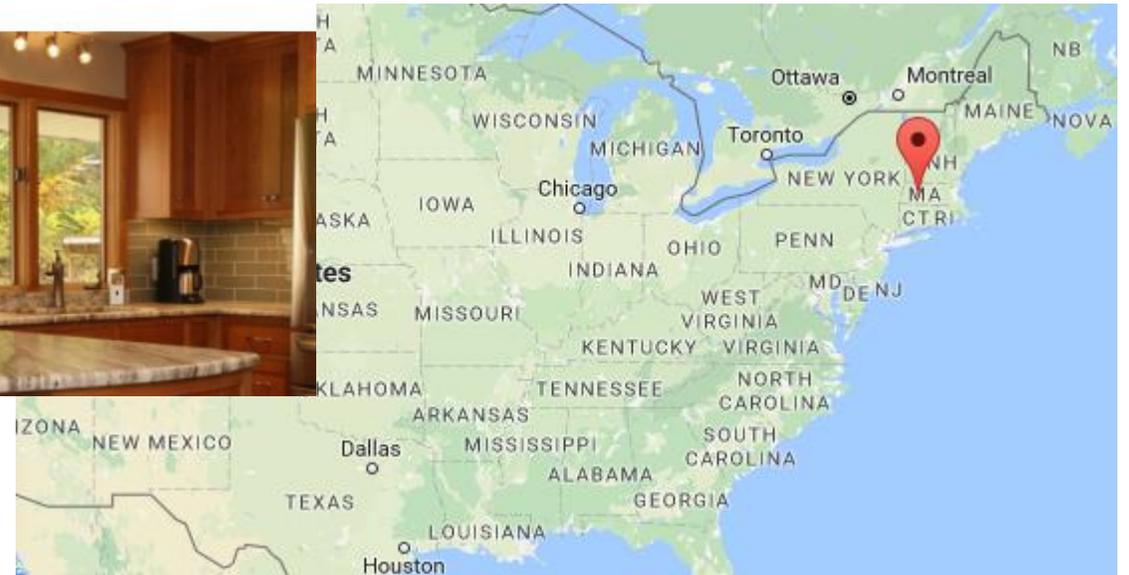
Real World Projects, Real World Skills

By the time you're done, you'll be building cabinets of amazing quality with extraordinary efficiency, using standards set by the Architectural Woodwork Institute. View our [project gallery](#) to see what we mean. See what some of our [graduates](#) are up to now and check out [previous class](#) pictures and videos to get a feel for life in our shop.

Woodworking Workshops

Offered by our sister school, [The Workbench](#). Nights & weekend workshons and

"Most tradespeople I know are not just welders, carpenters, or plumbers always outreach the router table and torch...As much as they love what they take pride in their work, their trade gives them freedom. Their trade is creativity...The day you think you've seen it all is the day you're confronted with an inexplicable puzzle...And what do you do? You get creative. You become a problem solver. You fix it! You think outside the box and do whatever it takes to find a solution. Problem no more. That is fulfilling." Tradeslife.com





New England School of
 **Architectural
Woodworking**

Fun Facts

- 5 month post-secondary career training in cabinetmaking.
- Located in Western, MA in a renovated mill building built in the 1800's.
- Tuition: ~\$11,000 + tools
- Average age: ~32
- Member of WMIA, AWI, WCA
- We focus on real world skills by building real world projects...



New England School of
 **Architectural
Woodworking**

















Thank you NESAW!

Learn more: <http://www.nesaw.com/>



The MiLL (Manufacturing Industry Learning Lab) National Training Center



MiLL

NATIONAL TRAINING CENTER

The Manufacturing Industry Learning Labs National Training Center is based in Colorado Springs, Colorado and is designed to empower the next generation of industry leaders.

[LEARN MORE](#)

[GET IN TOUCH!](#)



New
Facility

4450
Foreign
Trade
Zone
Blvd

Colorado
Springs



An
Open
Space

Ready
To be
Filled





The
Future
Of
Lean
Manufacturing







NATIONAL MANUFACTURING TRAINING CENTER

BRANDT AMBITION 1200 SERIES EDGEBANDER

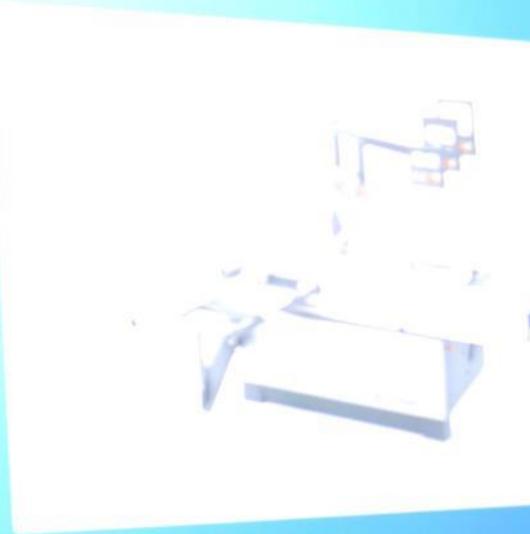


The focus for the development of the BRANDT Ambition 1200 Series was to offer a complete edge processing solution with advanced features. This machine is equipped with a precision gluing unit, a 30-degree chamfering unit for straight and chamfer beveling and a multifunctional top/cut-off sawing unit.

EDUCATION & INDUSTRY
WORK TO BUILD A BETTER FUTURE



ALTEENDORF F45 SLIDING TABLE SAW



The ALTEENDORF F45 features the latest sliding table saw technology. The saw takes the guesswork out of operator adjustments, and provides repeatable performance you need with ALTEENDORF's proven transfer system and rigid 5-sided machine frame.

For an ALTEENDORF user, that means the first cut delivers the precision required for the final chip-free cut, regardless of material: wood, plastics, and non-ferrous metals.



Industry Partners

Exclusive Partners

Partners

Education Partners

Employers

Stiles
Kreg Tools and Fasteners
Tiger Stop
Triton Power Tools
Timesavers Wood Sanders
Ironwood Machines
Bessey Clamps
Sherwin Williams
Wagner Meters
Nederman Dust Extraction
Fastcap - Lean Solutions
3M - Sanding, Adhesives & Safety Equipment
Columbia Forest Products
Cabinotch Box Solutions
Blum Boring Machines & Hardware
Belfab Down Draft Tables
JLT Clamping Systems
Grex Fasteners
Veritas Lee Valley
Cabinet Vision Software
Microjig, Inc.
Leitz Tooling Systems
Rikon Power Tools
Dubois Equipment
Schmalz Inc.
Roo Glue
Black Bros. Co.
Doucet Machineries

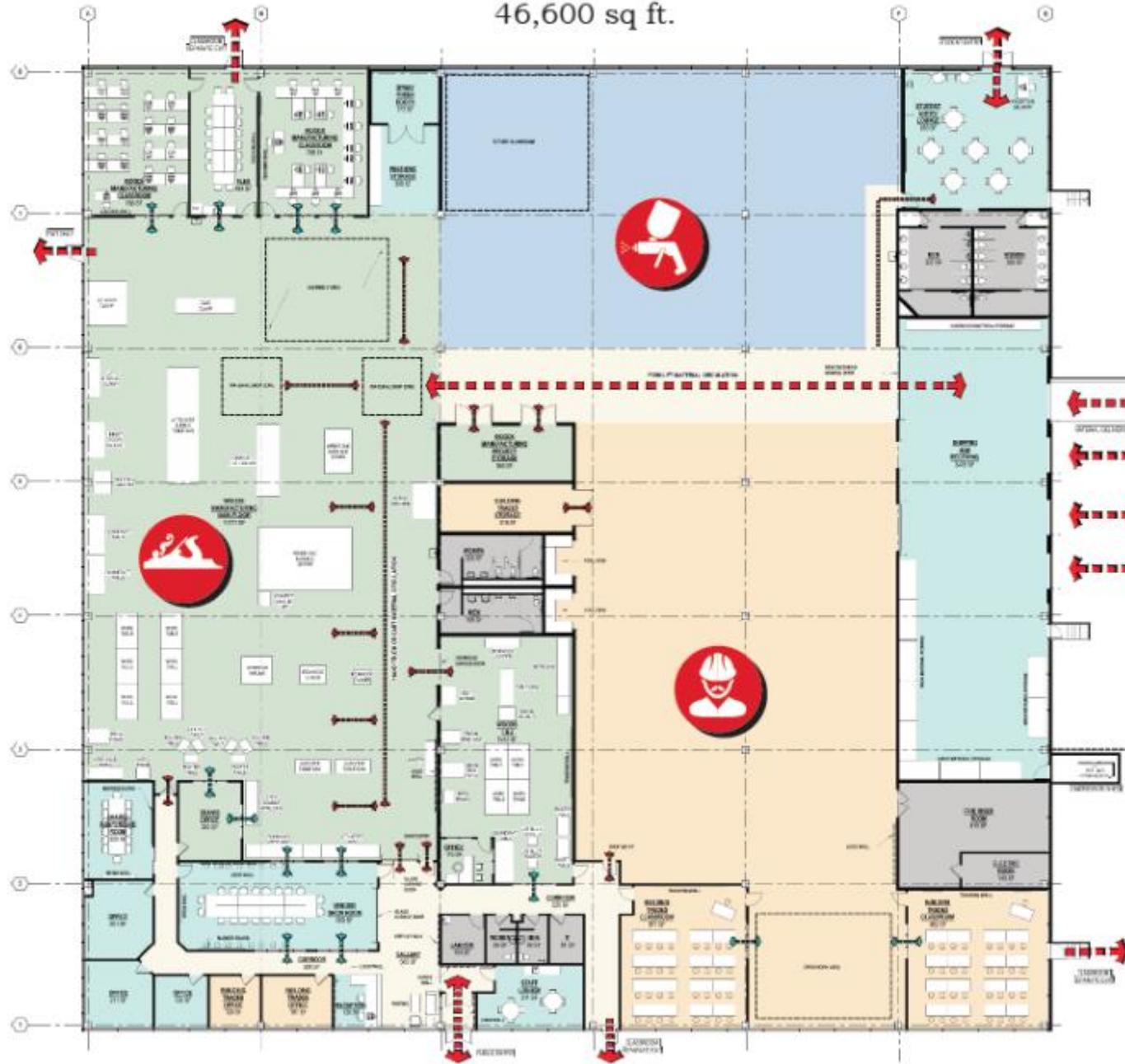
Barbo Machinery
Elder Construction
JDS Multi Router
Williams & Hussey Machine Co.
SawStop
Drillnado Dust Collection
Conquest Industries, Inc.
CTD Saws
Bosch Power Tools
Precise Bits
Legacy Woodworking Machinery
Wells & West General Contractors
Copestone General Contractors
SCM Group North America
Colonial Saw
SMC Woodworking Technology
Sames Kremlin Inc.
Sierra Forest Products
Great Lakes Custom Tool
Colonial Saw
Application & Coating Solutions

FDMC Publications
WMIA Woodwork Machinery Industry Association
AWFS
Oregon State University
Woodwork Career Alliance
Red Rocks Community College
WMMA (Wood Machinery Manufacturers of America)
AWI (Architectural Woodworking Institute)
Pikes Peak Community College
CTEC - Career Technical Education Center
Stiles University
Reformation Designs

Custom Source Woodworking
RTA Architects
Unique Woodworking
Concepts In Millworks
XYBIX Systems INC.
Genesis Cabinet CO.
Pryor Flooring

THE MILL FLOOR PLAN

46,600 sq. ft.



46,600 Square Feet

Woods Manufacturing

Finishing Center

Construction Trades

The MiLL

**FOR MORE INFO, CONTACT:
DEAN MATTSON
(719) 749-2330
DEANMATTSON@PEYTON.K12.CO.US**



www.themillco.org

Thank you to The MiLL!

Learn more: <https://themillco.org/>



Purdue University

Wood Research Laboratory



Wood Research Laboratory
Department of Forestry and Natural Resources

Home

About Us

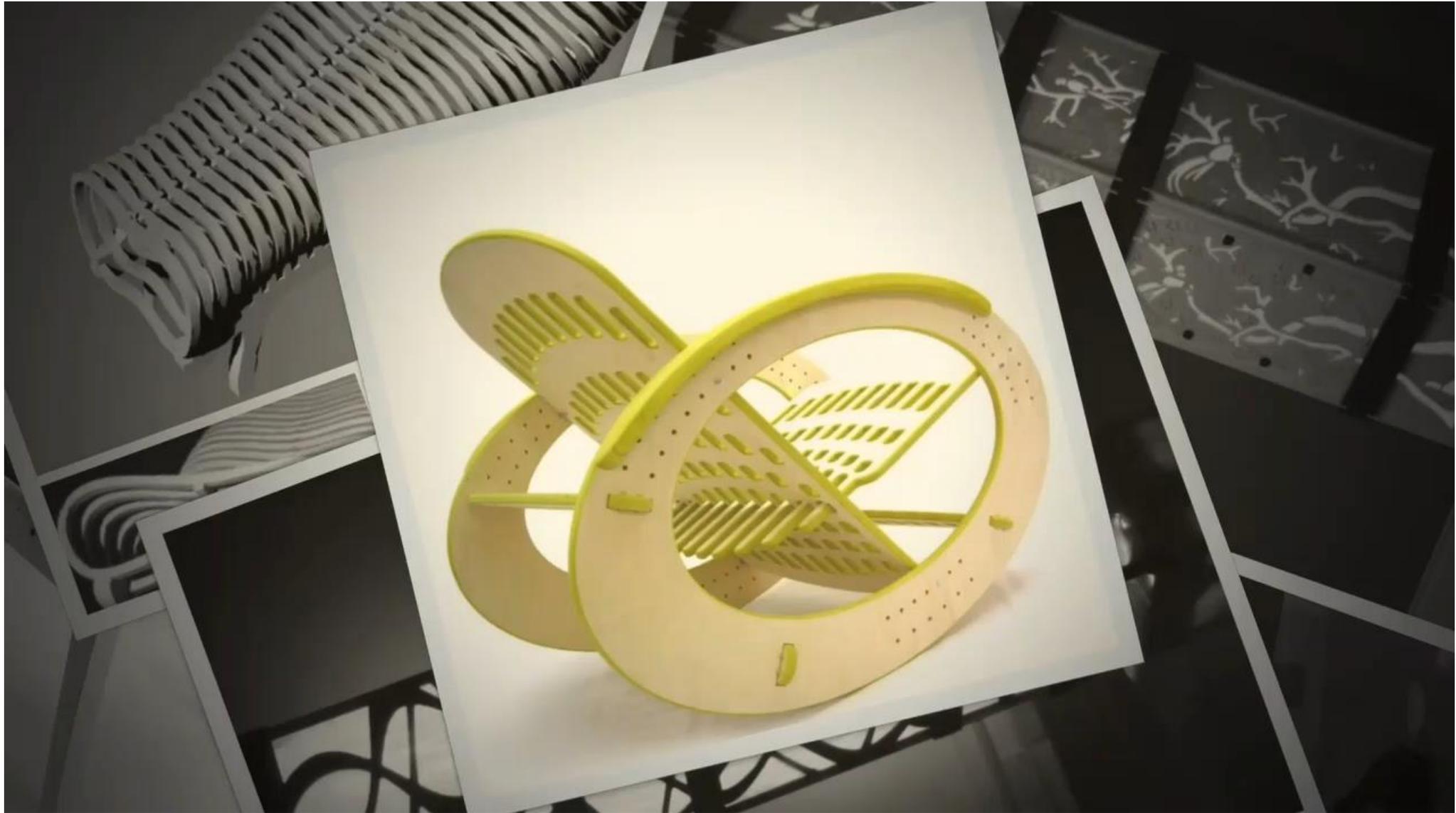
Curriculum

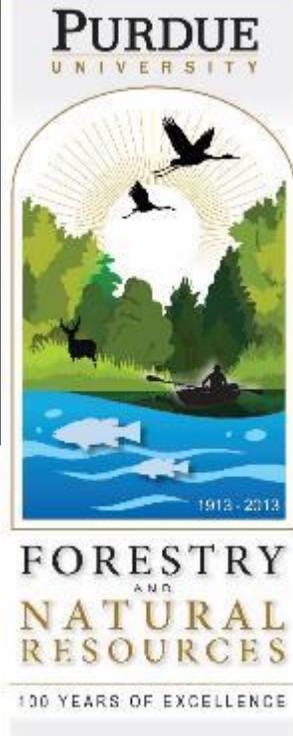
Our People

Research & Extension

Ph







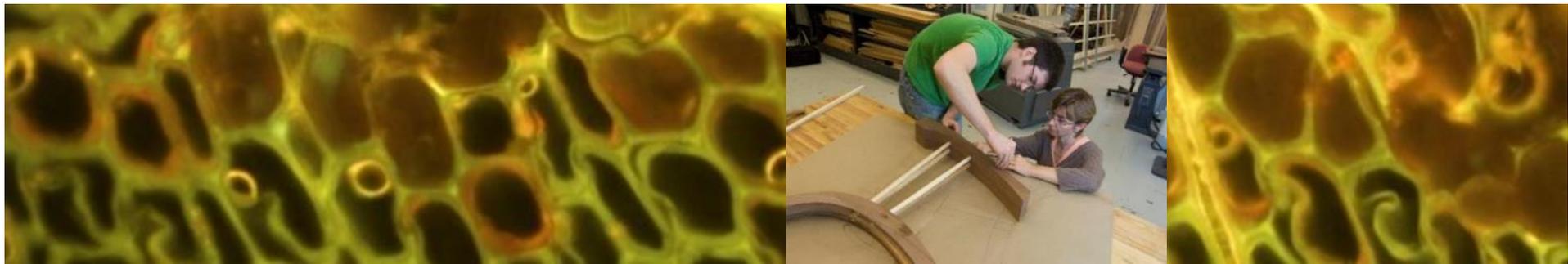
Sustainable Biomaterials: Process and Product Design (SUBO)

Department of Forestry and Natural Resources
Wood Research Laboratory
Purdue University, West Lafayette, Indiana

<https://www.purdue.edu/woodresearch/>



by Dr. Eva Haviarova





Wood Research Laboratory

Purdue University,
West Lafayette, Indiana, USA



A unit in the Department of Forestry and Natural Resources,
Responsible for research, teaching and extension.



Mission is to:

- Assist wood products manufacturers,
- Develop new knowledge for industry,
- Add value to wood raw materials,
- Develop new uses for wood residues,
- Innovation in wood-based products,
- Improve wood products engineering,
- Processing technologies.



Our Team:

Dr. Eva Haviarova,
Associate Professor of
Wood Products Engineering



Dr. Daniel Cassens,
Professor of
Wood Products Manufacturing



Dr. Rado Gazo,
Professor of
Wood Products Processing



Dr. Carl A. Eckelman,
Professor of
Wood Products Engineering



Daniel Bollock,
WRL Lab Technician &
Woodworker



Major
**Sustainable Biomaterials –
Process and Product Design (SUBO)**

Minors
Wood Products Manufacturing Technology
(In cooperation with PU Polytechnic)

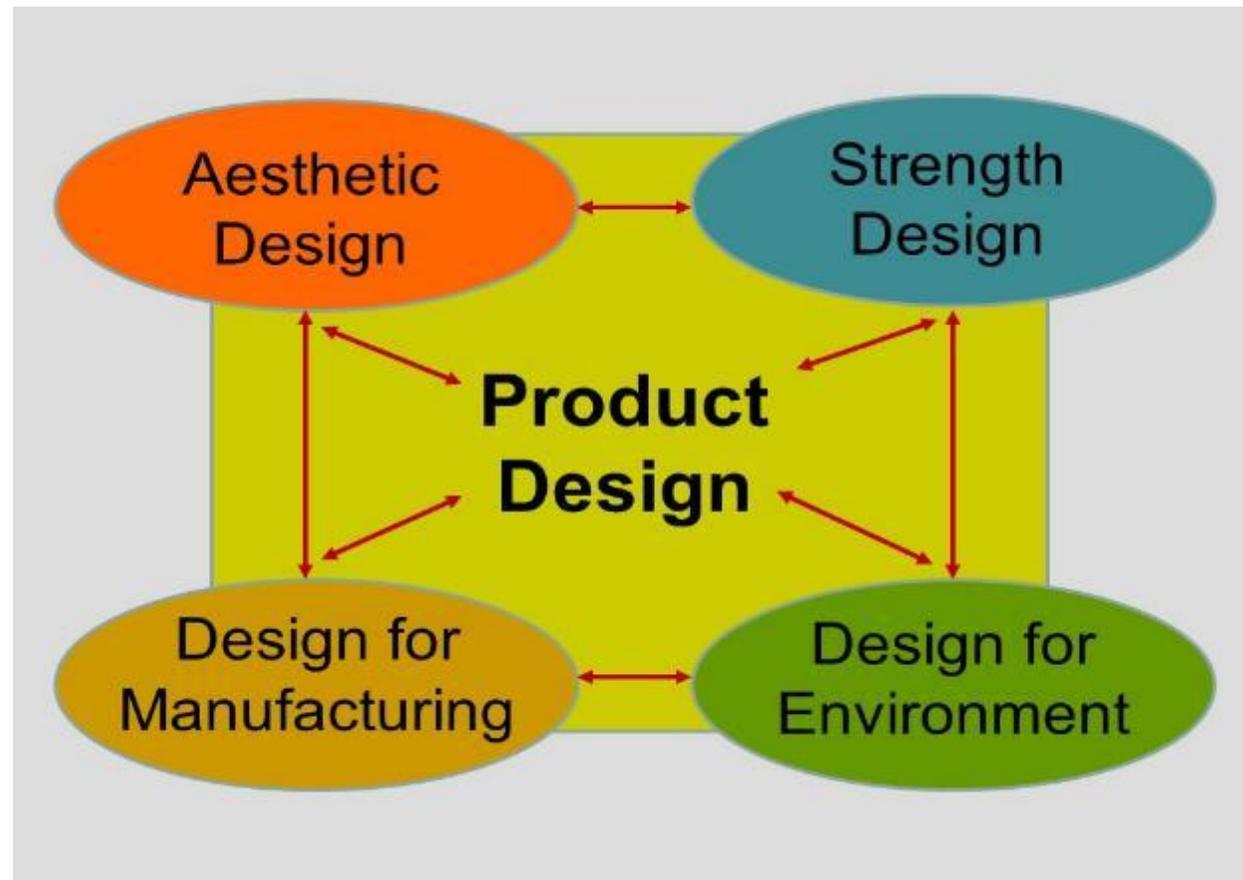
Furniture Design
(In cooperation with Creative Arts)





Approach to Sustainable Product Design

Goal: To familiarize students with product development, rapid prototyping, basics of manufacturing and environmental impact.

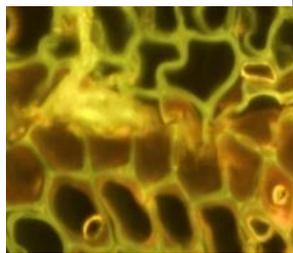
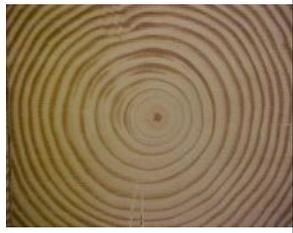


SUBO

Program Focus



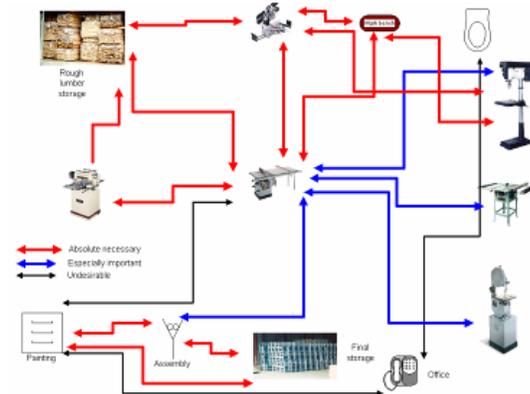
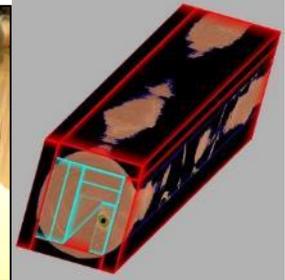
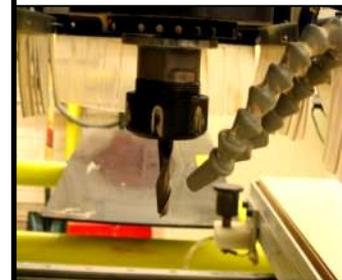
Material Knowledge



Product Design



Technology & Processing





Material Knowledge (Drs. Cassens & Haviarova)

FNR 31110

**Structure, Identification, &
Properties of Woody
Biomaterials**

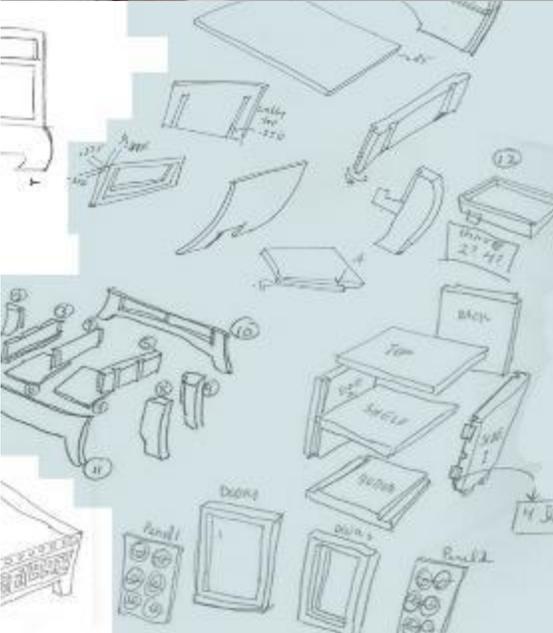
FNR 41800

**Properties of Wood Related to
Manufacturing**





Product Design (Drs. Haviarova & Gazo)



FNR 41910

Furniture Product Development and Strength Design

FNR 48410

Sustainable Furniture Design for Computer Numerical Controlled Manufacturing





Technology & Processing (Dr. Gazo)



FNR 30110

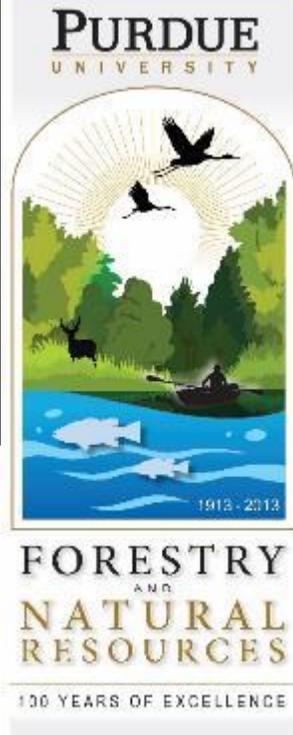
**Sustainable Forest Products
Manufacturing of Woody
Biomaterials**

FNR 42500

**Secondary Wood Products
Manufacturing**

Career Opportunities

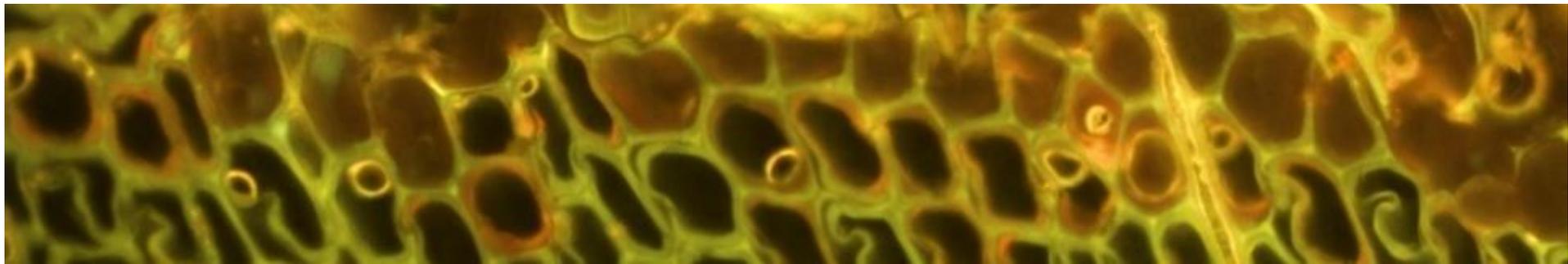
- Production Manager
- Product Designer
- Product Developer
- Product Engineer
- CAD Designer
- Material Scientist
- International Trade & Sales
- Equipment Operator
- Sustainability Director



Thank You!

<https://www.purdue.edu/woodresearch/>

For more info contact: Dr. Eva Haviarova,
ehaviar@purdue.edu

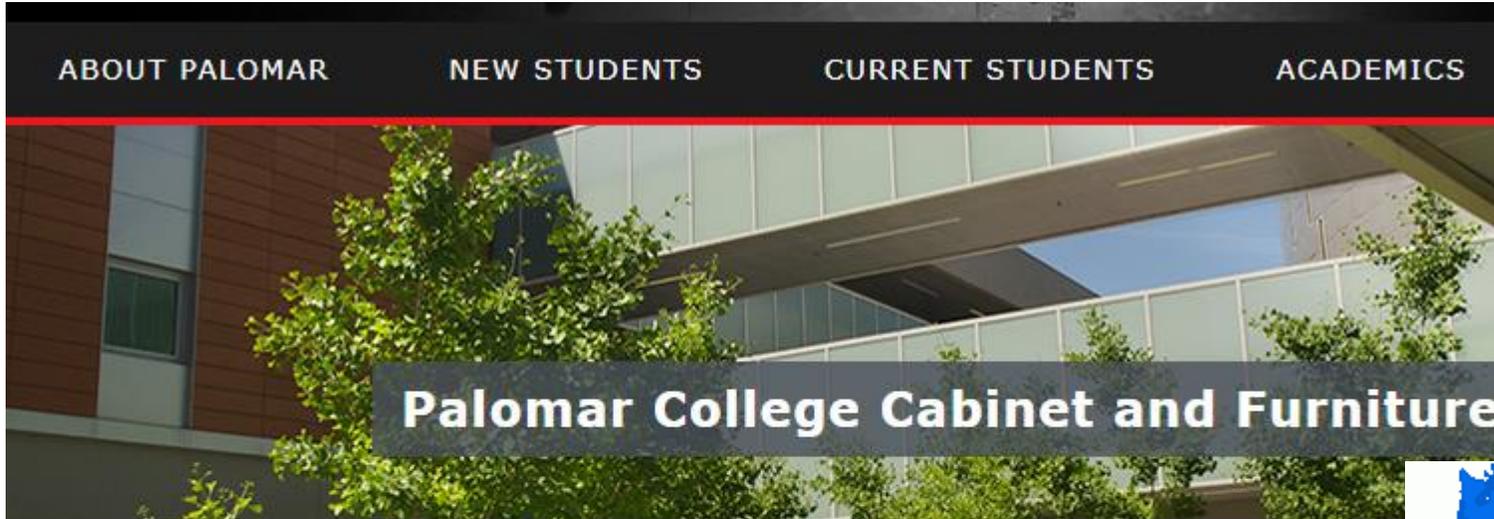


Thank you **Purdue University!**

Learn more: <https://www.purdue.edu/woodresearch/>



Palomar College Cabinet & Furniture Technology



- Home
- Facilities Overview
- Schedule
- Student Projects

Home

Palomar College Woodworking is CFT
Cabinet and Furniture Technology

Our Mission is to help students prepare to make a livin



CABINET FURNITURE TECHNOLOGY



CFT – Certificates

- Woodworking Fundamentals
- Guitar Making
- Case Furniture
- Tables and Chairs
- Carving
- Lathe Turning
- Veneering
- Woodworking Skills
- Cabinetmaking and Millwork



CFT – 100 Curriculum



CFT – Facilities



Machine Rooms



Bench Rooms



Saw Mill



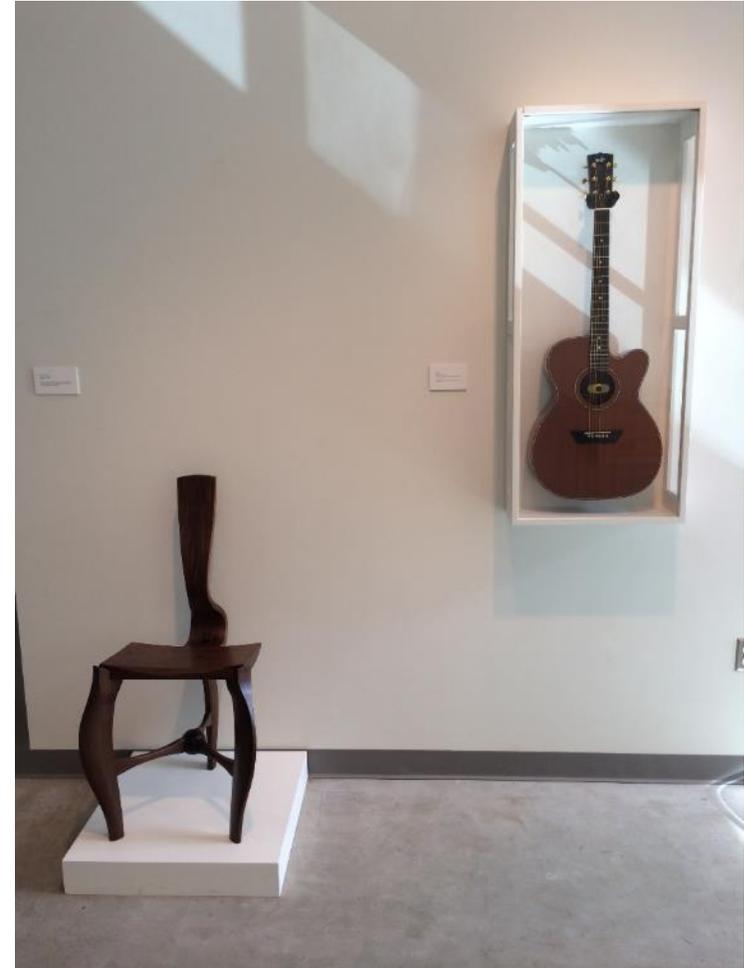
Dedicated Hand Tool Room



CFT – Facilities



Library



Gallery



CFT – Urban Lumber



CFT – Student Body (and an instructor)



CFT – Student Body



CFT – Community Interaction





CABINET FURNITURE TECHNOLOGY

www.palomar.edu

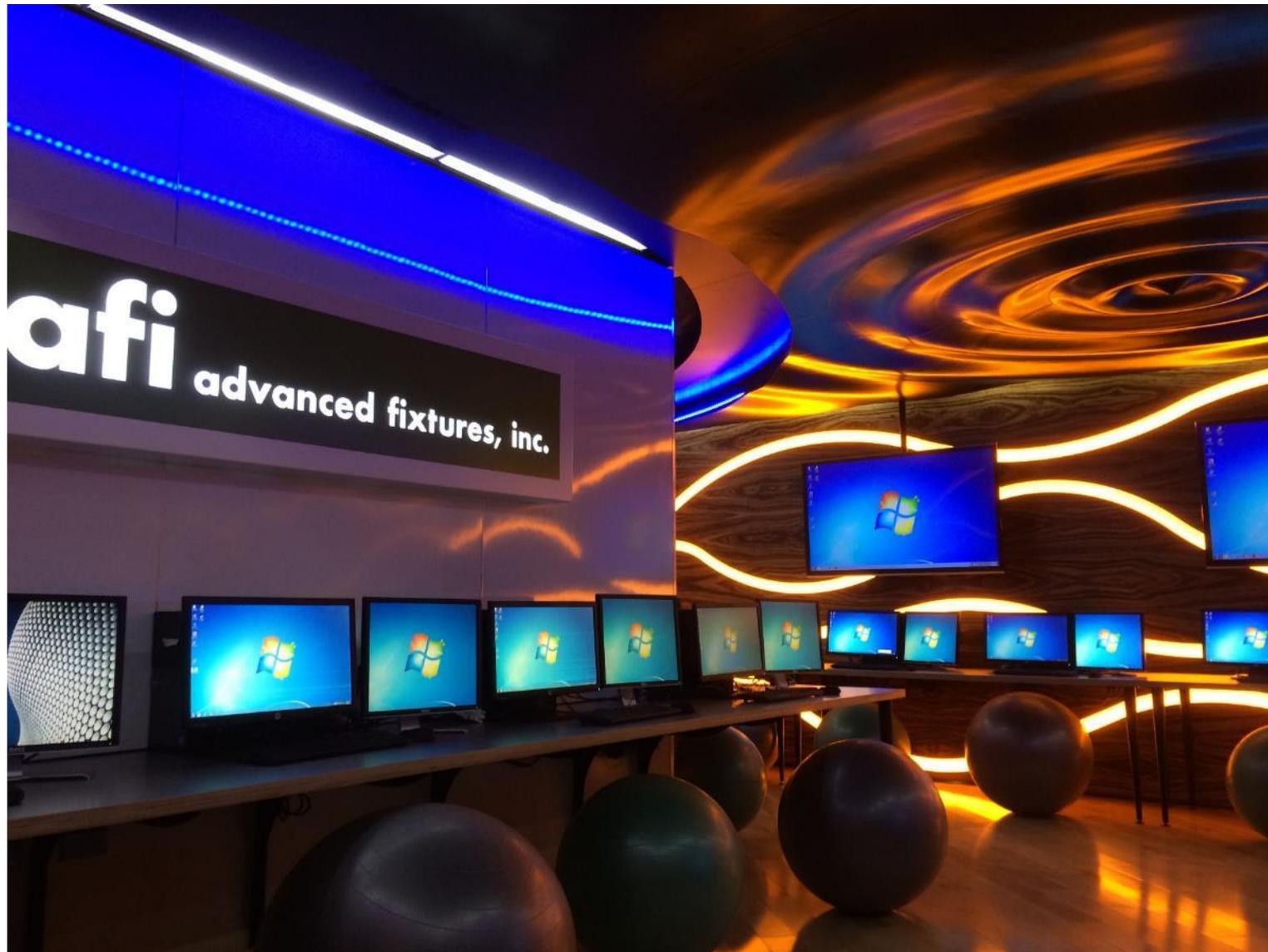
janderson2@palomar.edu



Thank you **Palomar College!**

Learn more: <https://www2.palomar.edu/pages/woodworking/>



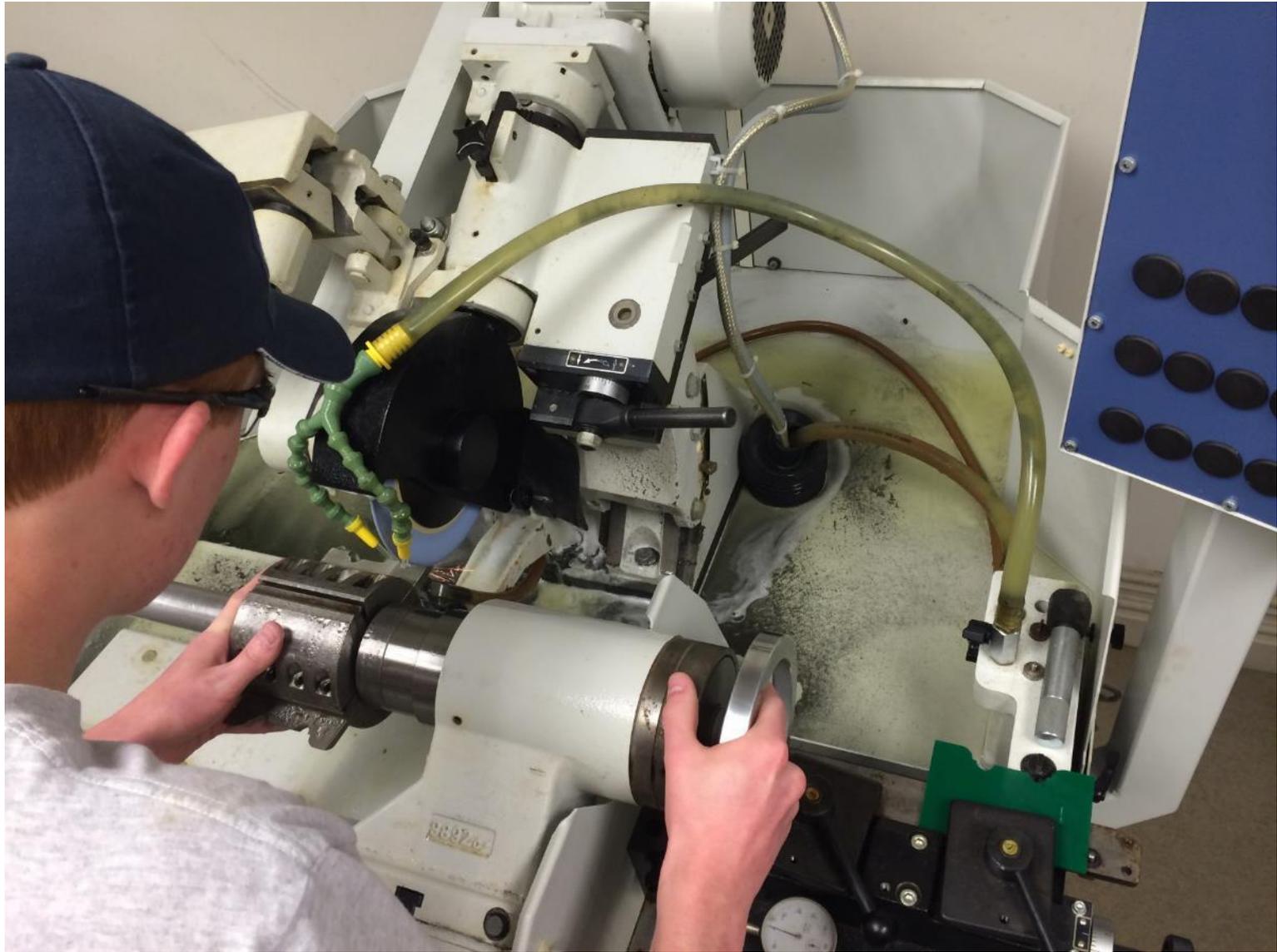














Thank you **Pittsburg State University!**

Learn more:

<https://www.pittstate.edu/departments/tech-workforce/wood-technology/>



Southwest School of Woodworking

Southwest School of Woodworking, Phoenix, Arizona



[Home](#) [About us](#) [Courses](#) [Instructors](#) [Policies](#) [Registration/Payment](#)
[Scholarships](#) [Galleries](#) [Newsletters](#) [Contact](#)



Southwest School of Woodworking



Southwest School of Woodworking

School of Fine Woodworking



Agenda

- Who we are
- Our mission
- Where we came from
- Who we serve
- What we teach
- Course detail
- Equipment
- Jobs
- Our instructors
- Where we are going



Who We Are

- located in Phoenix, Arizona
 - only comprehensive woodworking school in Arizona
 - began February 2013 in a 500 sq. ft. Quonset hut borrowed from luthiery school — machine area was outside and building had no A/C
 - now occupy 5,000 sq. ft. air-conditioned building downtown on community college campus
 - new building features bench room, machine room, lathe room, assembly and finishing area, kitchen, office and gallery
- group of professional woodworkers saw that area high schools and colleges were closing their woodworking programs
- decided to take action to preserve and promote the craft of fine woodworking



Our Mission

- Our mission is to promote the craft of woodworking and to instill the concept of craftsmanship in all of our students.
- Classes for all levels of students because woodworking—like any craft—is a never-ending process.
- We believe craft is best learned through mentorship from experienced practitioners, like Old World tradition of apprenticeship. The expert instructors at our school strive to create a supportive environment in which to lead students beyond mere proficiency and into mastery.



Where We Came From



2013 Our first home



2014 moved into larger room, tin roof, no cooling



Where We Came From



Front entrance to our shop
Going on the roof to fix swamp cooler



Who We Serve

- primary market draw from Arizona
 - also attract students from around Southwest, east and west coasts, and Canada
- most classes conducted in the evening to serve working students
 - also offer day classes
 - approximately 95% of our students are hobbyists
 - return rate approximately 80%



What We Teach

- Woodworking fundamentals
- Advanced courses
- Finishing
- Wood turning
- Design
- Master classes
- Weekend workshops
- Project classes



Courses

- At this time we offer 44 different classes and plan to add more
- Two main paths
 - Skill building
 - projects
 - The most popular are:
 - The Fundamentals of Traditional Woodworking series
 - The finishing series
 - Milling rough lumber
 - Joinery
 - Chairs



Course Detail

- Core curriculum progresses logically from novice to advanced
 - Twelve-week Fundamentals of Traditional Woodworking course
 - Emphasis on traditional hand-tool techniques
 - Increasingly complex projects for hands-on learning: from simple tools to functional furniture
- Two years to complete all courses
- Advanced classes
 - Finishing, inlay, gilding, veneering, bending, chair-making, furniture design, etc.
- Weekend Workshops
 - Two to three days to complete a project, including hand plane, small table, tool chest, etc.
 - One day clinics on specific skills like milling, sharpening, etc.
- Wood Turning
 - Beginner to advanced



Equipment

- We have a fully equipped machine room
 - two Saw Stop table saws
 - Six band saws, one 24" one 20" one 18" & 3 14"
 - one shaper
 - one 12" jointer, one 8"
 - Three planers, one 20" and two 13"
 - One slot mortiser
 - One hollow chisel mortiser
 - One 48" edge sander
 - Three drill presses
 - Two compound miter saws
 - Nine lathes
 - One 5 axis CNC router
 - Full complement of hand saws, bench planes, spokeshaves, scrapers & other hand tools



Career Opportunities

- Our primary demographic
 - People with day jobs
 - Hobbyists
 - Current cabinet shop employees
- To date we have placed three students in cabinet shops
 - We are looking for ways to attract younger students to train in the craft

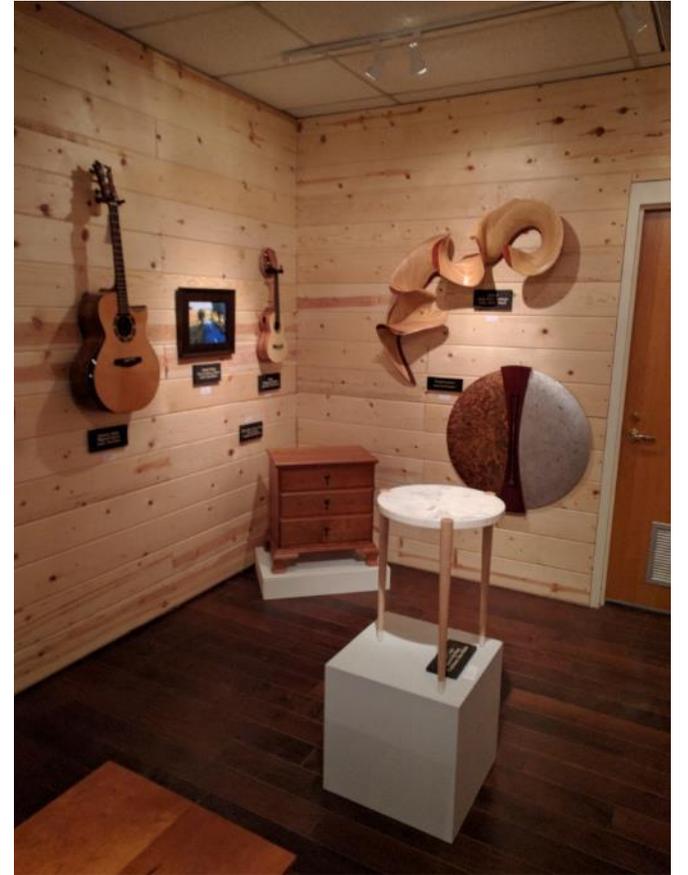


Certifications

- Certificates of Accomplishment are given for the following:
 - Fundamentals series
 - Finishing series
 - Joinery I & II
 - All other courses 40 hours or over



Projects





Projects



Fundamentals II class project



Fundamentals III class project



Our Instructors

- Local instructors are all professional craftspeople
 - Doug Forsha
 - Rhonda Forsha
 - David Fleming
 - John Rivard
 - Andy Glantz
 - Joe Tripodi
 - Dale Gillaspy
 - All operate their own cabinet shops
- We also bring in nationally-known Master Craftspeople, including:
 - J. Paul Fennell
 - Michael Fortune
 - Frank Klausz
 - Kelly Parker
 - Paul Schurch
 - George Walker



New Digs





Where are we going?

- As a new school, we are still building our curriculum and student base
 - Founded February 2013
 - Moved to larger building November 2015
 - Opened turning center July 2017
 - So far, 147 students completed the Fundamentals of Traditional Woodworking series
- Working to serve entire Southwest and draw more students from Arizona, Texas, New Mexico, Colorado, Utah, Nevada and California
- **Our vision is to become a nationally-recognized woodworking school**

Thank you **Southwest School of Woodworking!**

Learn more: <http://www.swcfc.org/>

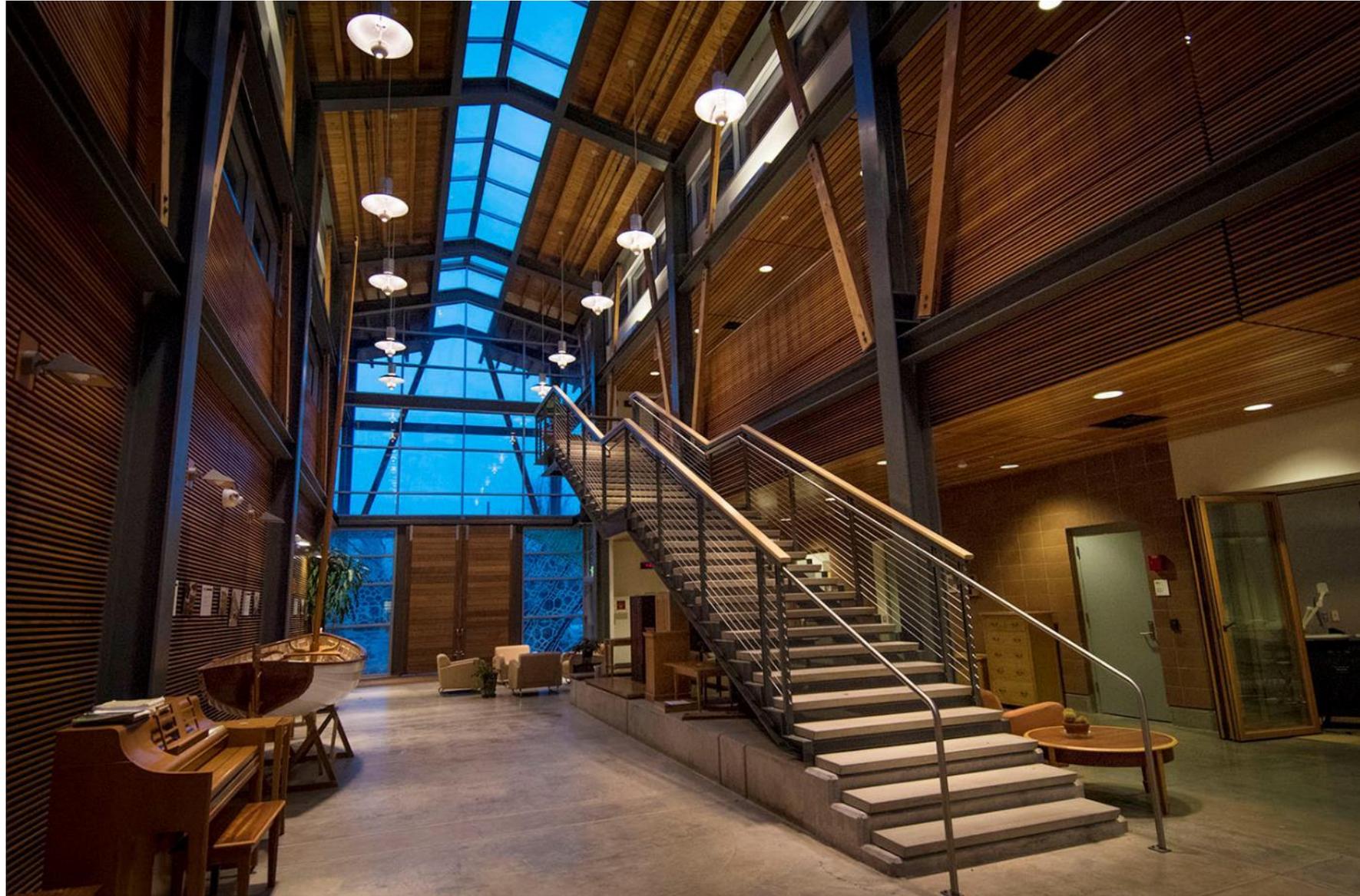


Seattle Central College Wood Technology Center



Train for a Wood









Wood Technology Center hosts tiny house builders summit

February 25, 2016 | [News](#)



As follow-up to the tiny-house project that now houses 30 individuals in the Central District, building partners met this month to reflect on the experience.





Cabinetmaking & Architectural Woodworking

Take a Tour

Get Started











Thank you **Seattle Central College!**

Learn more: <http://woodtech.seattlecentral.edu/>



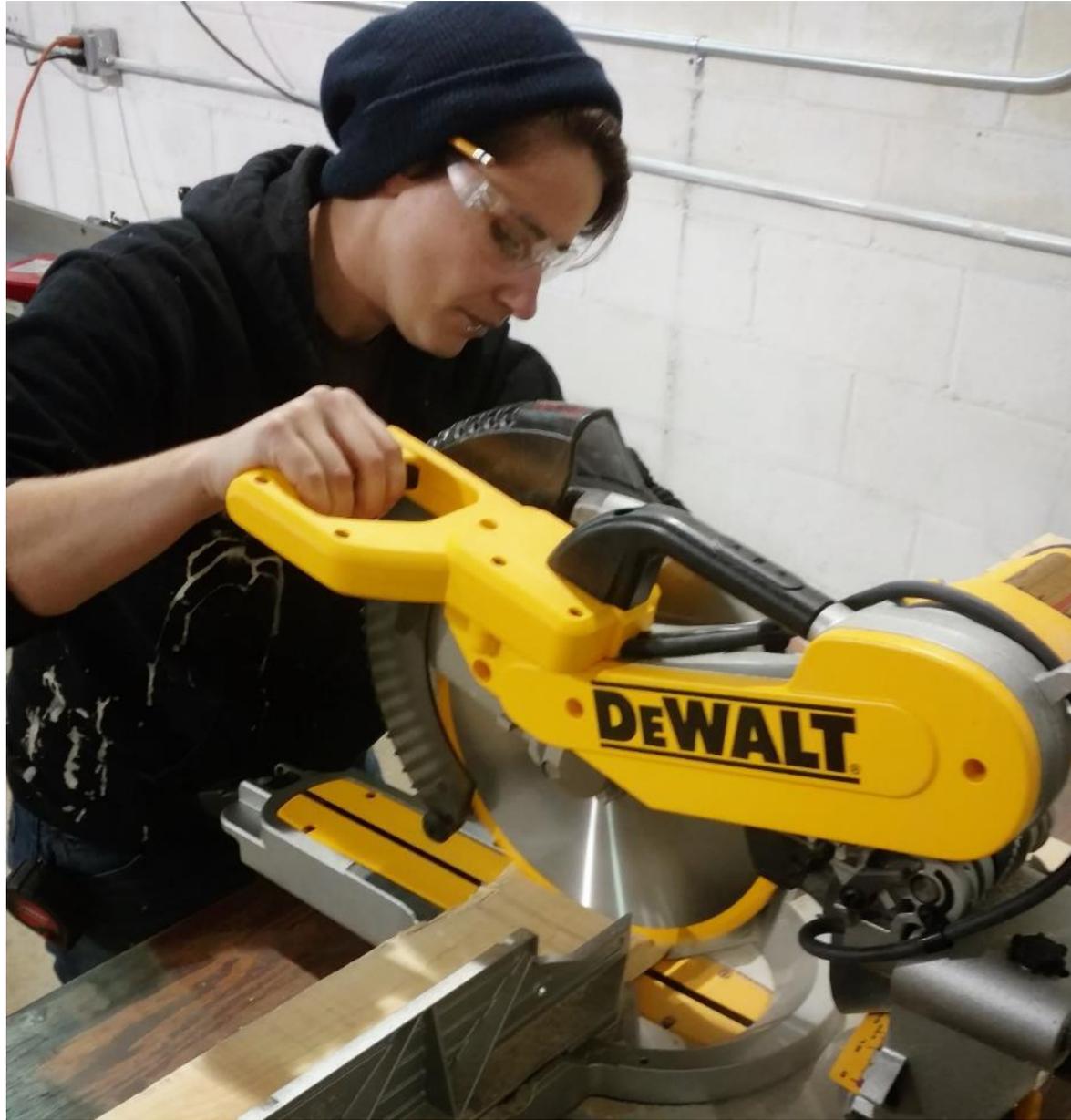
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Peyton Woods Manufacturing Peyton, Colorado

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Peyton's Woods Manufacturing Program

In the fall of 2015, Peyton School District opened its Career Technical Facility with our Woods Manufacturing Program. This is not a shop class, but a program that teaches students cutting-edge skills needed in the Woods Manufacturing industry. Students can enroll in the two-hour Woods 1 course and progress through Woods 2, 3, and 4 at this facility. With the opening of the Woods Manufacturing National Training Center, students can continue their training in Advanced Woods Manufacturing education at the Training Center in Colorado Springs. To enroll, contact Mary Krisko [✉](#)

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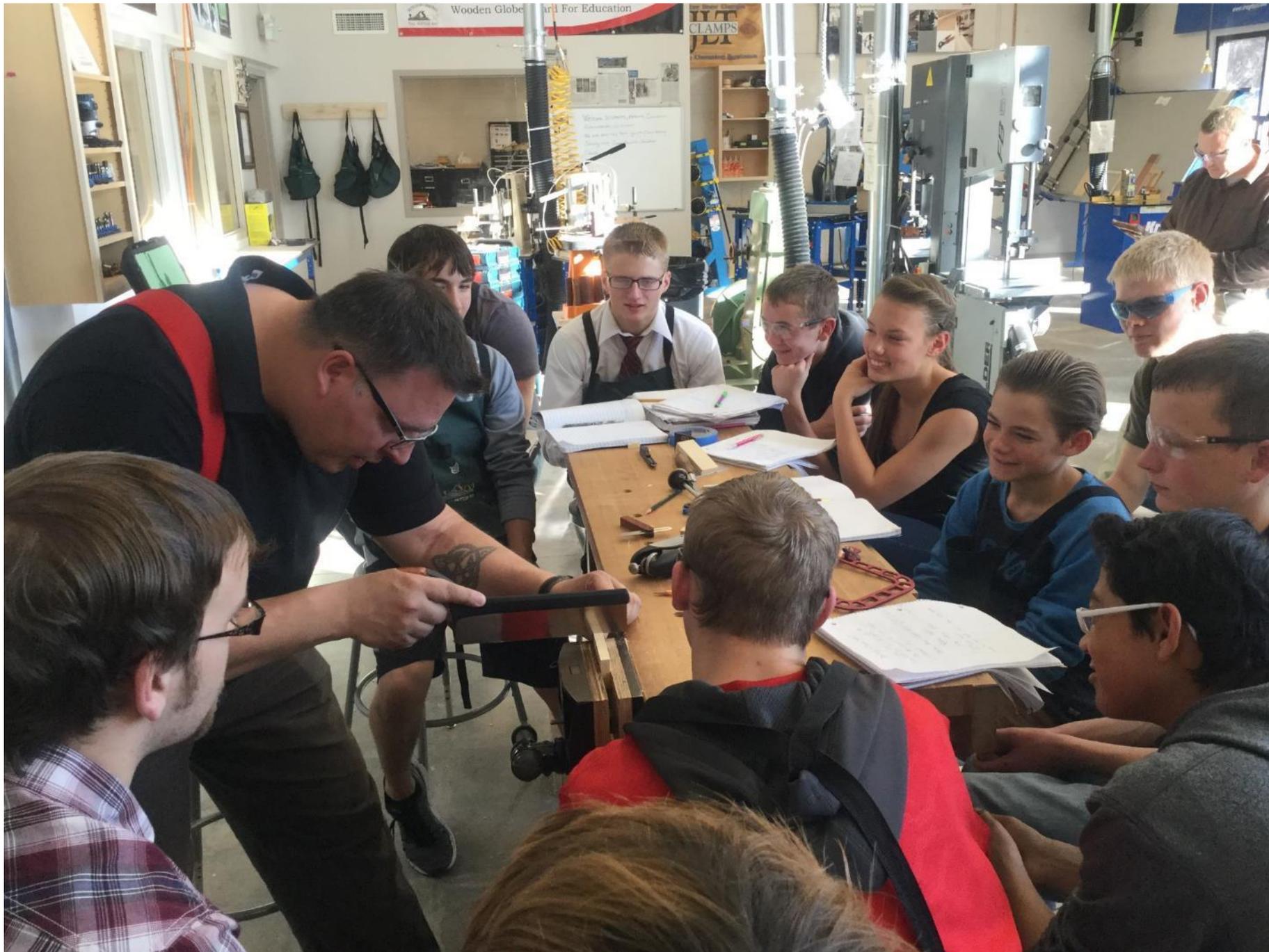
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Thank you **Peyton Woods Manufacturing!**

Learn more: <http://www.peyton.k12.co.us/woods-manufacturing/>



THANK YOU FOR JOINING US!

QUESTIONS?