

WELCOME TO

# Sector Spotlights

Education Lunch & Learn



SPONSORED BY



# Today's Program

## Pathways to Workforce from Maine's Educational Institutions

Education Lunch & Learn



SPONSORED BY



# Jim Borsig

Interim President  
The Landing School

Education Lunch & Learn



SPONSORED BY





# OVERVIEW

- Founded in 1978—Oldest and one of only 4 in USA
- Accrediting Commission of Career Schools and Colleges (ACCSC)
- 5 Diploma Programs (one academic year)
  - Boat Yard Management
  - Composite Boatbuilding
  - Marine Systems
  - Wooden Boatbuilding
  - Yacht Design
- Associate of Applied Science, Marine Industry Technology (two academic years)

# STUDENT ACHIEVEMENT

Program	July 2020		July 2021		July 2022	
	Grad	Emp	Grad	Emp	Grad	Emp
<b>Wooden Boatbuilding</b>	88%	55%	100%	80%	100%	80%
<b>Composite Boatbuilding</b>	88%	100%	100%	60%	100%	100%
<b>Yacht Design</b>	65%	86%	79%	100%	91%	78%
<b>Marine Systems</b>	95%	79%	100%	82%	92%	71%
<b>AAS-MIT</b>	100%	86%	100%	71%	100%	89%

# INTERNATIONAL CONNECTIONS

## **EDUCATION PARTNERSHIP**

- Southampton Solent University (UK), B. Eng. Yacht & Small Craft Design

## **INTERNATIONAL ENROLLMENT**

- Since 1978, students from from every continent except Antarctica
- Currently enrolled students from Bermuda, Mexico, and United Kingdom
- Anticipating international enrollment for Fall 2024

## SUPPORTING MAINE'S MARINE WORKFORCE

- Atlantic Boat Company, Brooklin
- Bath Iron Works, Bath
- Brion Rieff Boat Builders, Brooklin
- Brooklin Boat Yard, Brooklin
- Chase Small Craft, Saco
- Derektor Robinhood Marina, Georgetown
- French & Webb, Belfast
- Gamage Shipyard, South Bristol
- Hallett Canvas and Sails, Cumberland
- Hinkley Yachts, Trenton
- Hodgdon Yachts, Damariscotta
- Hopkins Boat Yard, Vinalhaven
- Liferaft Services, York
- Lyman-Morse Boatbuilders, Thomaston
- Maine Yacht Center, Portland
- Moose Landing Marina, Naples
- Portland Yacht Services, Portland
- Rockport Marine, Rockport
- Rumery's Boatyard, Biddeford
- Sabre Yachts, Raymond
- Safe Harbor Kittery Point, Kittery
- Washburn & Doughty, E Boothbay
- Yankee Marine, Yarmouth
- Yarmouth Boat Yard, Yarmouth



# WOODEN BOATBUILDING



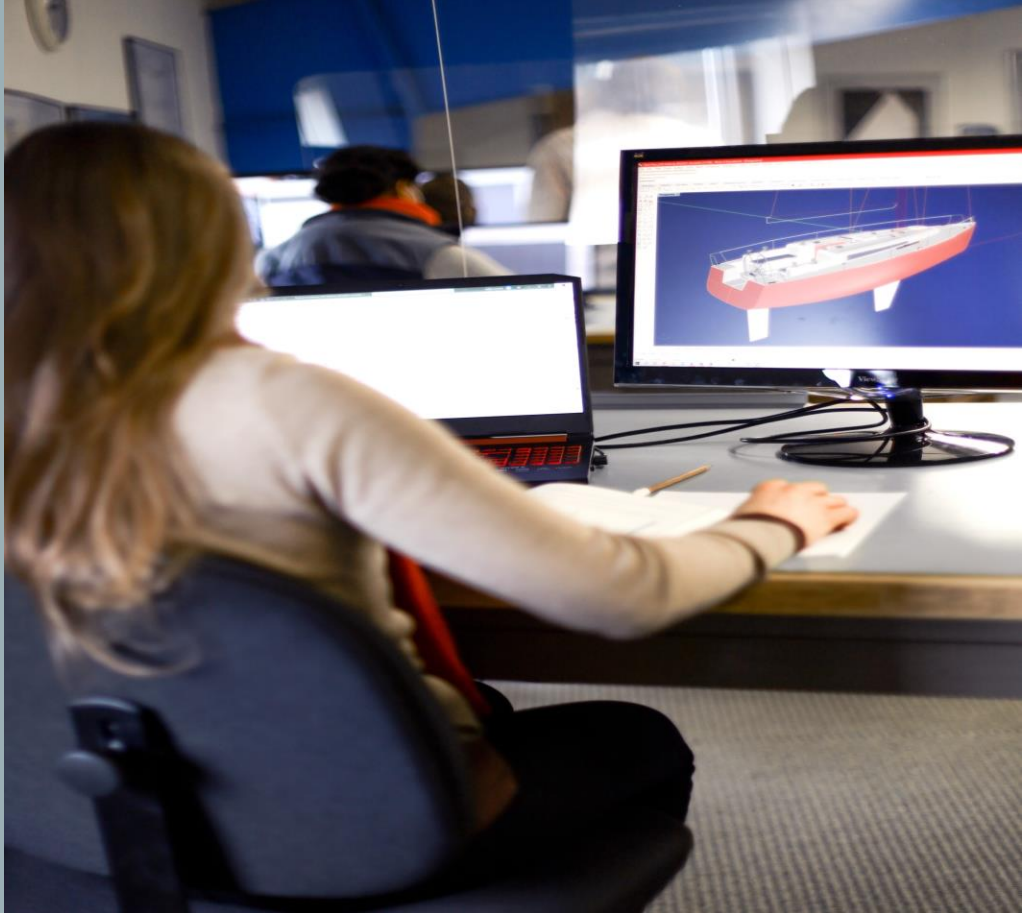
# COMPOSITE BOATBUILDING



# MARINE SYSTEMS



# YACHT DESIGN



# SEA TRIALS



landingschool.edu

# Jacob Grenier

## Wooden Boat Building Instructor The Landing School

### Education Lunch & Learn



SPONSORED BY





## The Landing School

Traditional Boatbuilding 2009/2010

Yacht Design 2010/2011'

---





Hired by Hall's Boat Corporation immediately after graduating, then moved to Tumblehome Boatshop a few years later



Wooden boat restoration at  
Tumblehome Boatshop



# Five programs offered by The Landing School

---

- Wooden Boatbuilding
- Composite Boatbuilding
- Yacht Design
- Marine Systems
- Boatyard Management

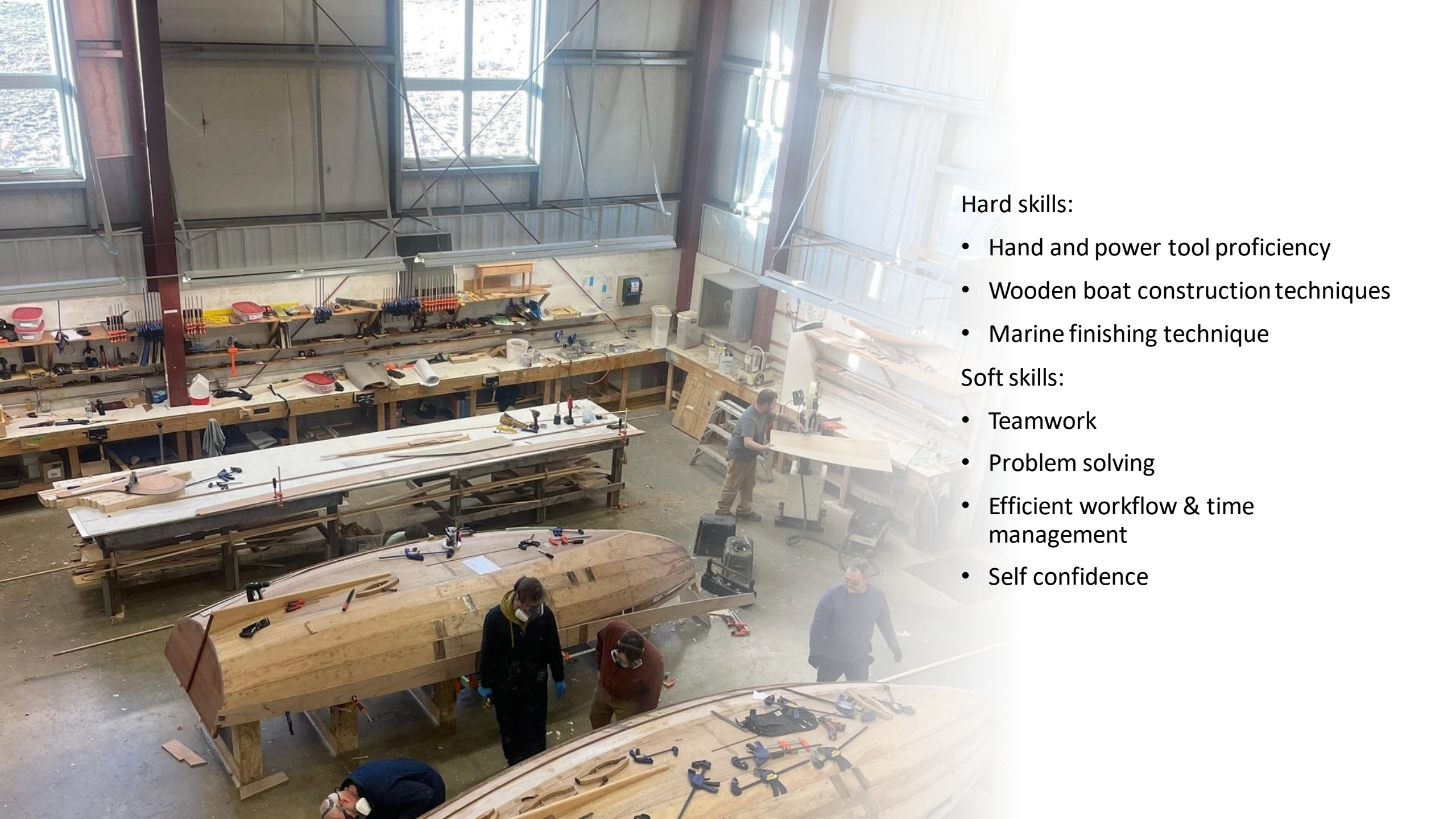


# Wooden Boatbuilding

---

Students start the year with plans and a stack of wood, and work in teams of three or four to build a complete boat.





### Hard skills:

- Hand and power tool proficiency
- Wooden boat construction techniques
- Marine finishing technique

### Soft skills:

- Teamwork
- Problem solving
- Efficient workflow & time management
- Self confidence

After months of hard work... sea trials!

Students finish the year by going out on the boats that they have spent the last year building.

Last year, every wooden boatbuilding student who wanted a job was hired immediately after graduation.

This year two students already have jobs lined up.



# Composite Boatbuilding

---

Students prepare for a career in cutting edge manufacturing and composite repair.





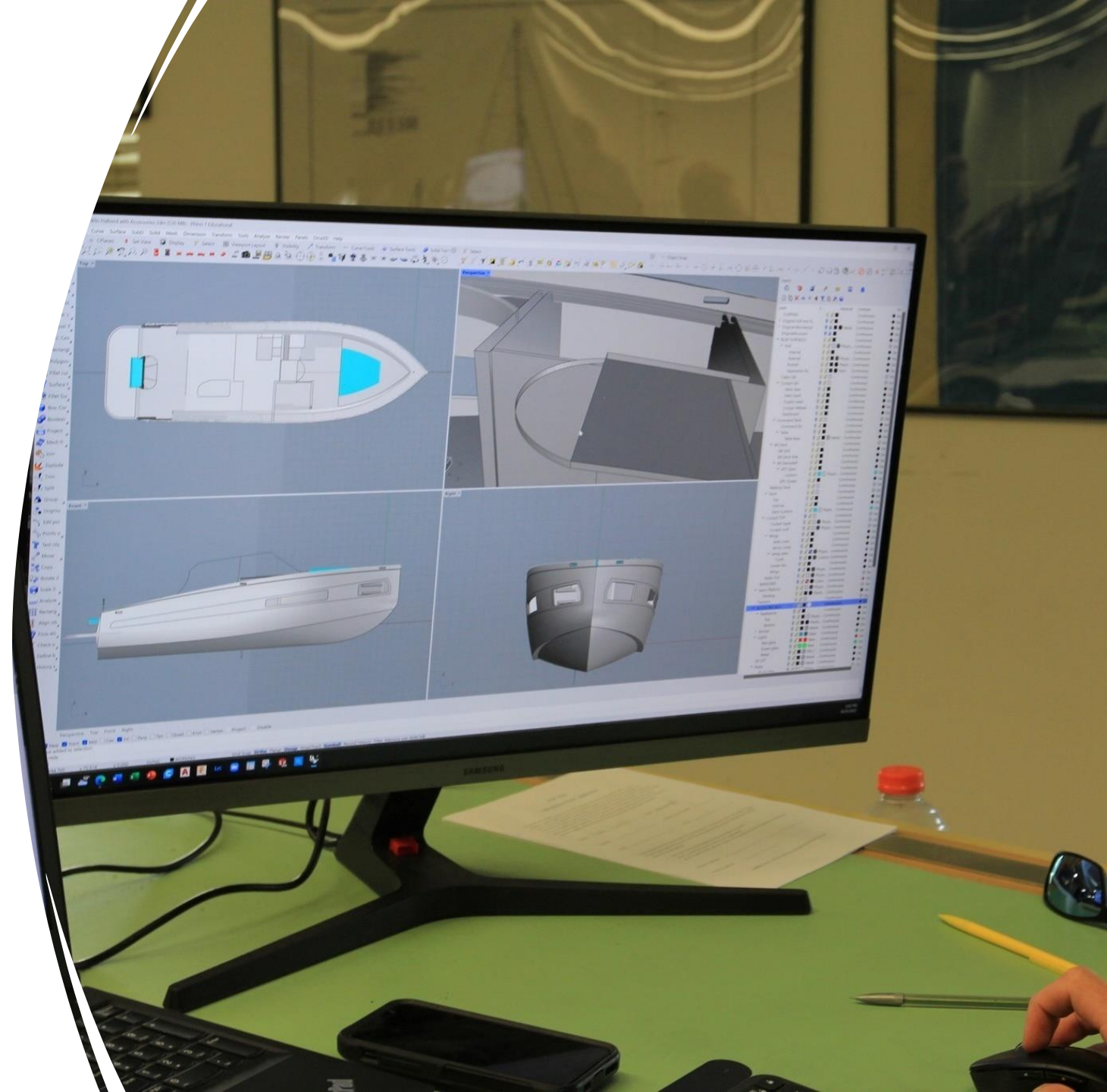
- Safe shop practices
- Proper tool use
- Materials
- Repairs
- Fabrication techniques: hand lamination to vacuum infusion
- Structural mechanics and theory

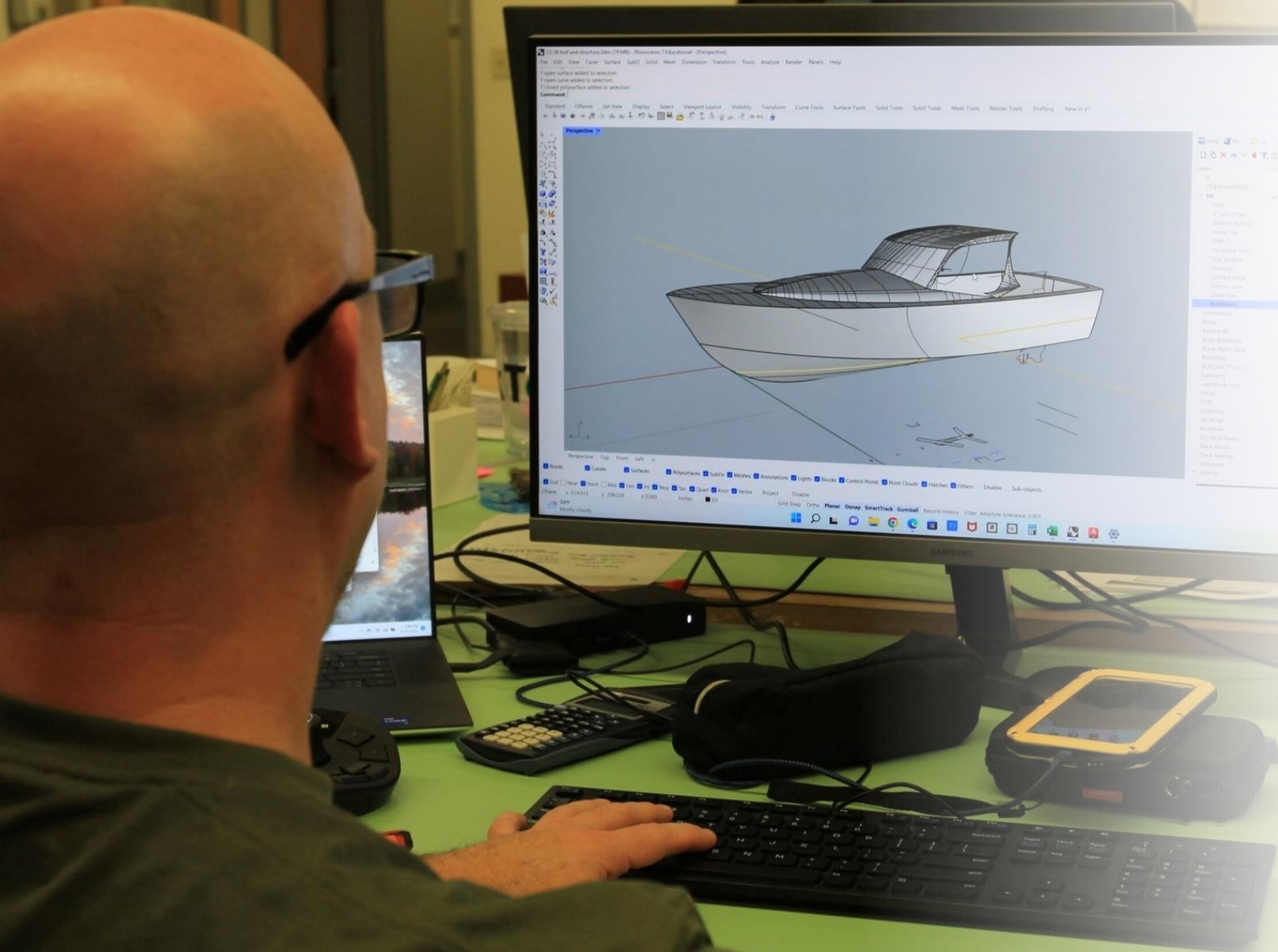


# Yacht Design

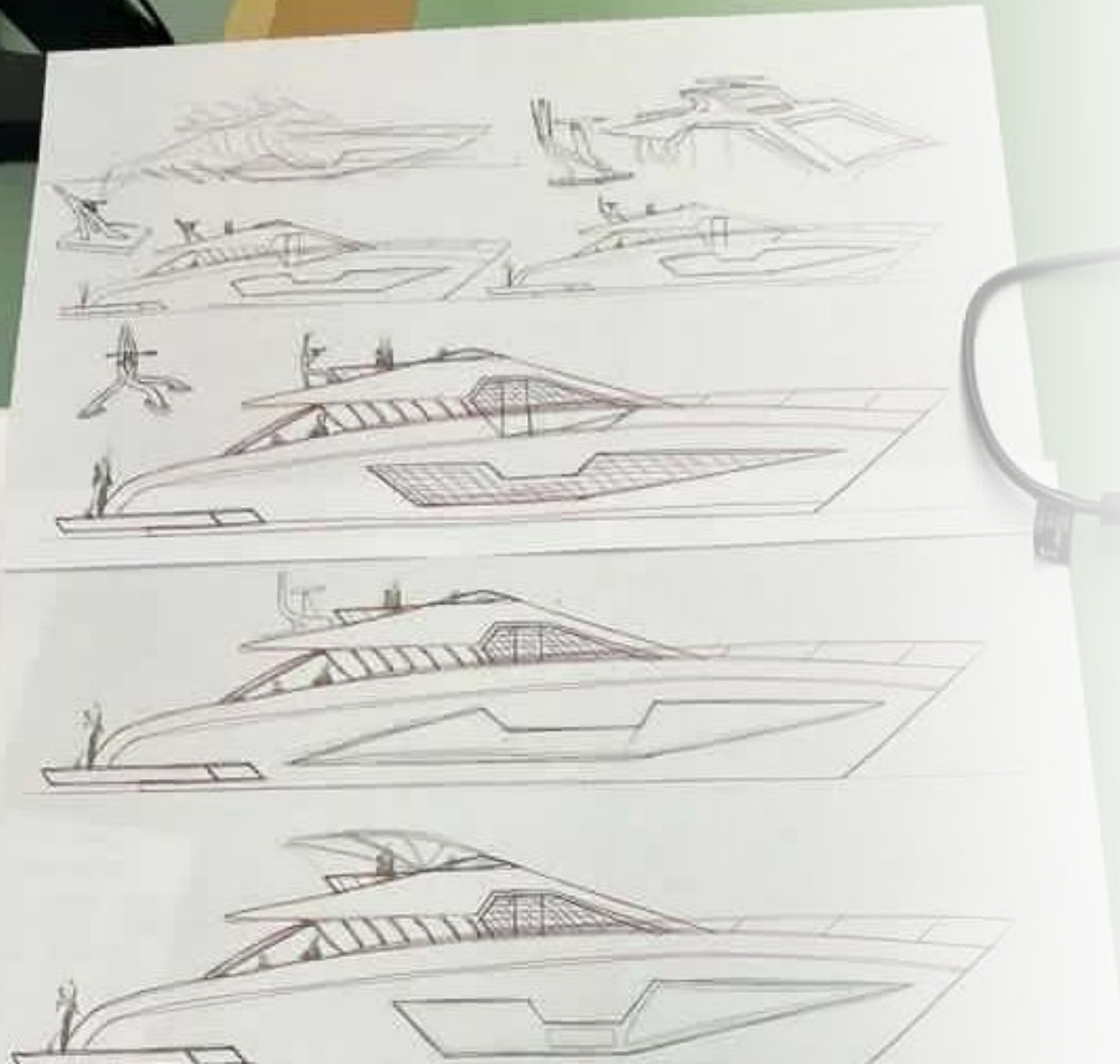
---

Students learn both the engineering and aesthetics of yacht and ship design.





- CAD software
- 3D modeling software
- Hull design: hydrostatics and hydrodynamics
- Fluid dynamics
- Ergonomics & Aesthetics
- Professionalism
- Presentation skills



Graduates find employment in the marine industry as well as industrial design.

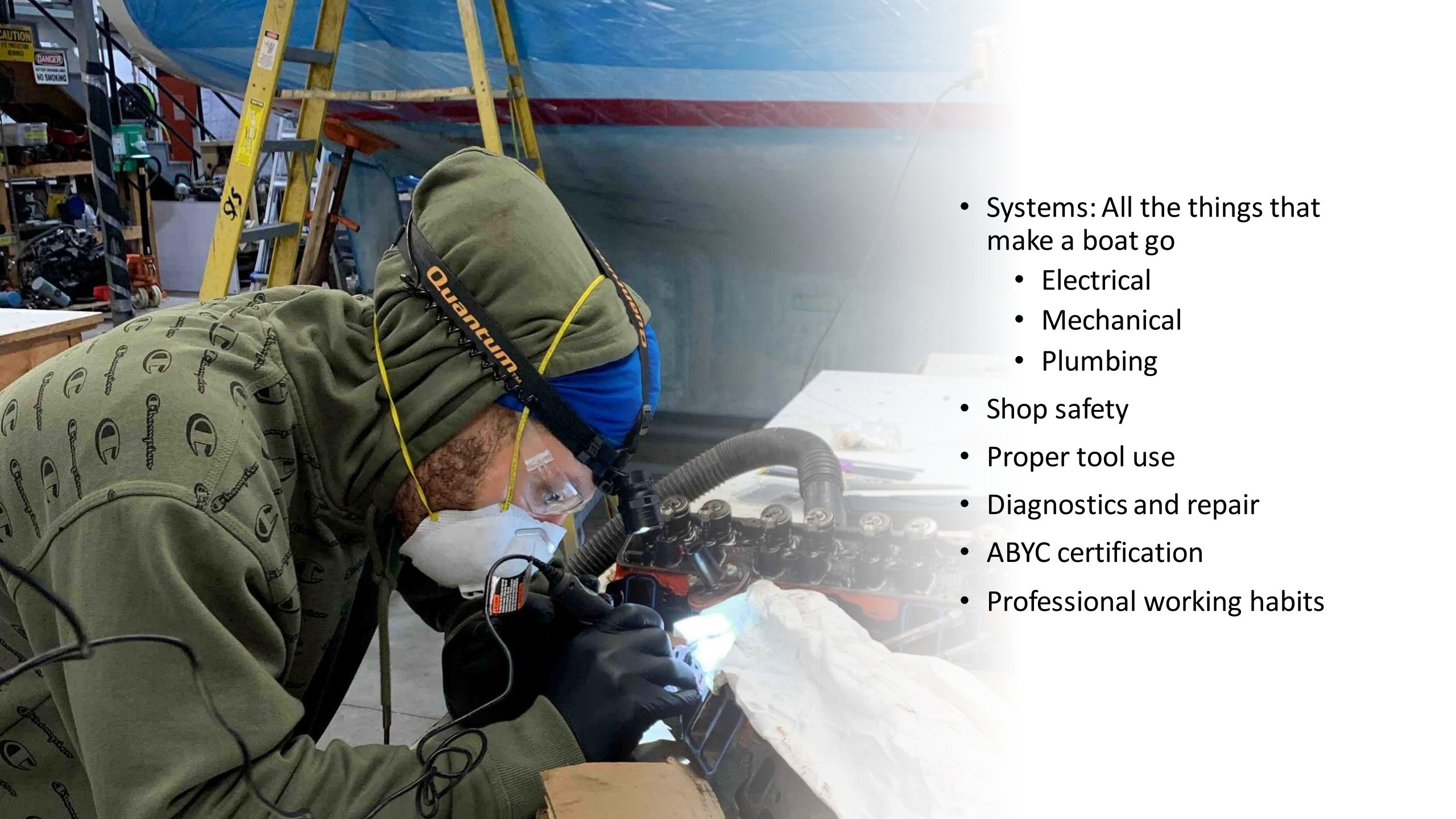
The Yacht Design program historically has the highest number of international students.

# Marine Systems

---

Students prepare to be marine technicians.

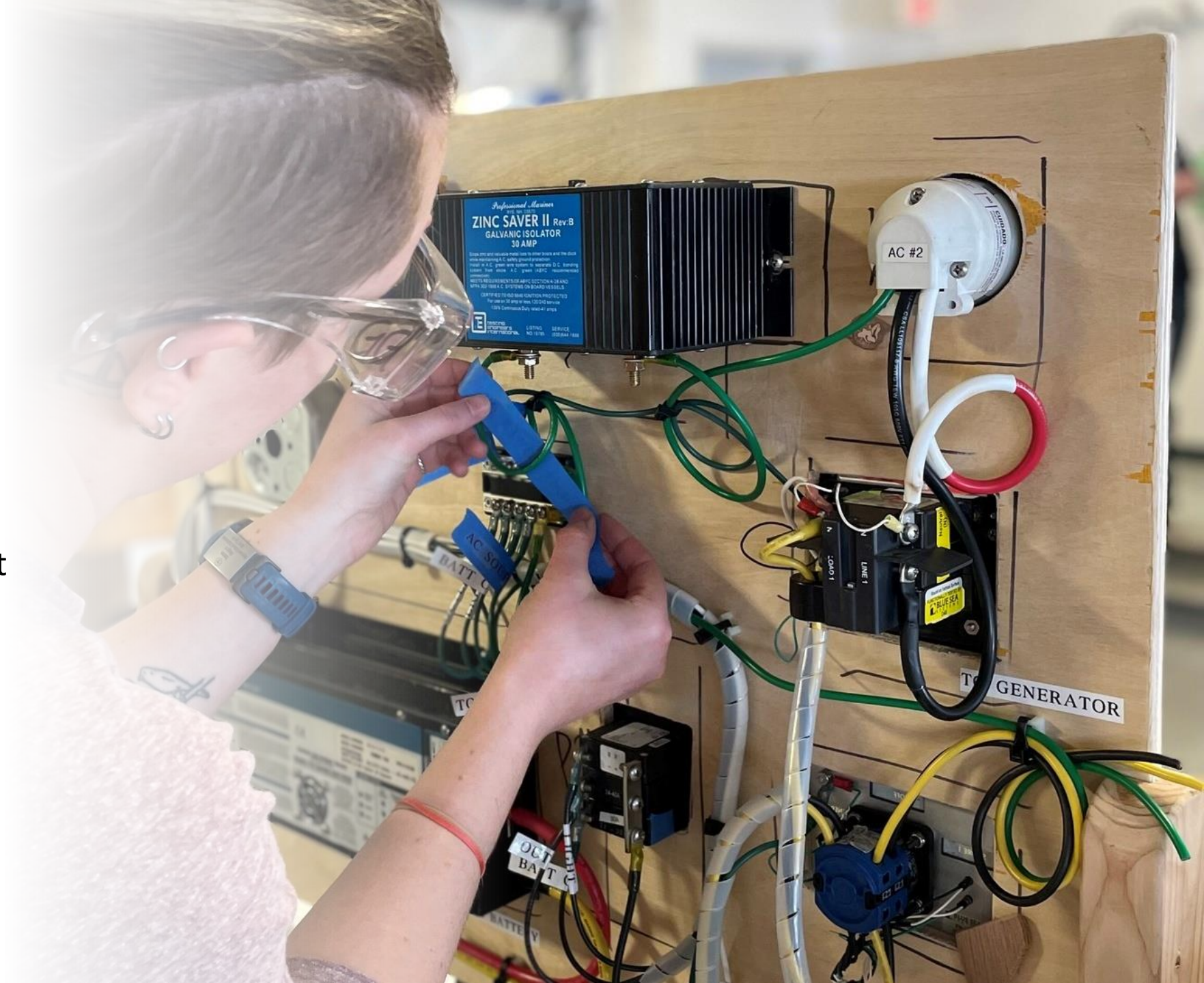




- Systems: All the things that make a boat go
  - Electrical
  - Mechanical
  - Plumbing
- Shop safety
- Proper tool use
- Diagnostics and repair
- ABYC certification
- Professional working habits

The first half of the year is a combination of lectures and labs.

Mornings are spent learning the theory, then afternoons are spent learning the practical application.





The second half of the year the focus is on project boats.

These are real boats with real owners, so the work must be done correctly.

Project boats are selected for their learning opportunities.

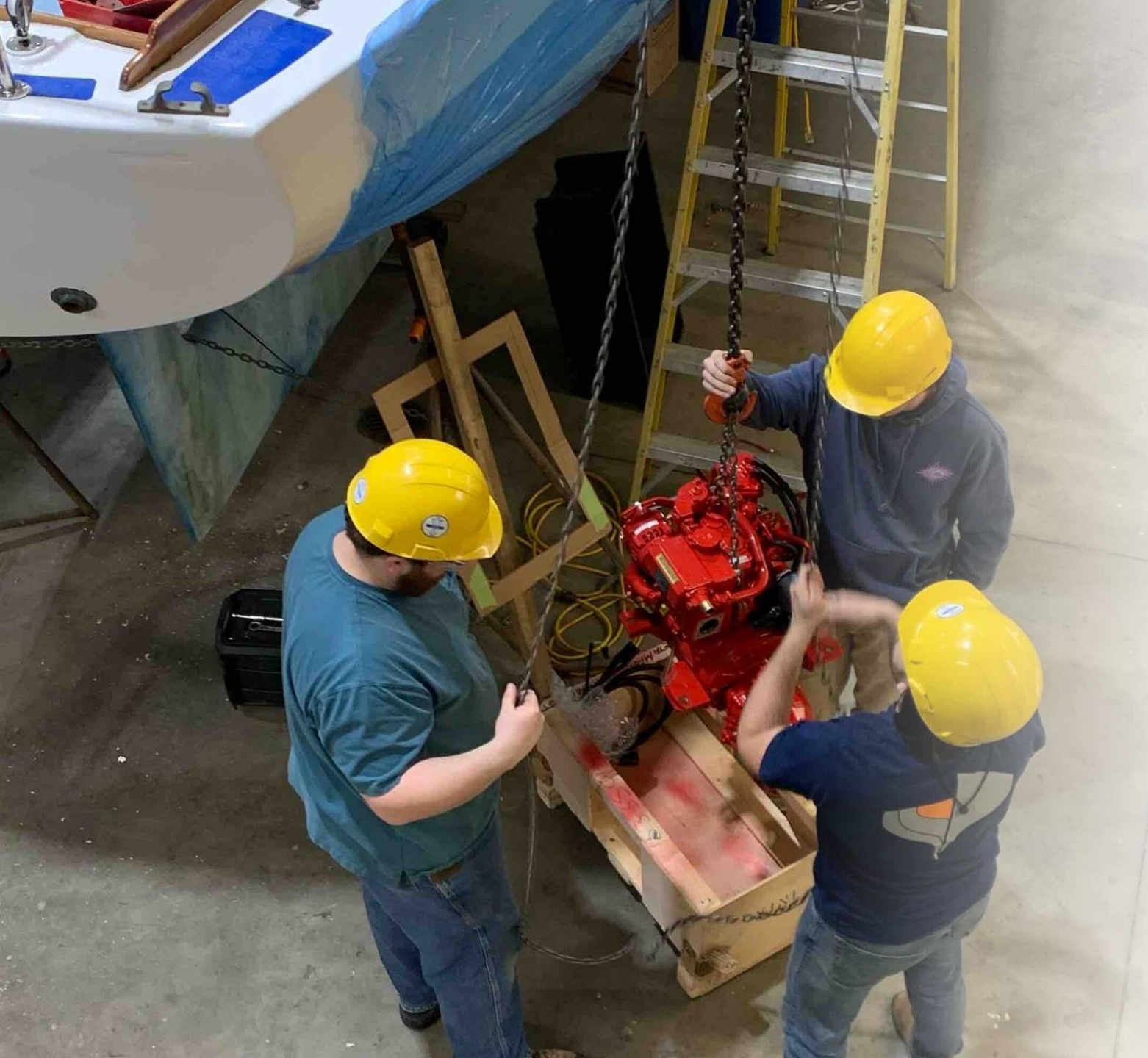
# Boatyard Management

---

A second-year program that focuses on project management and mentorship.







- Project Management
- Project Planning and Estimating
- Service Management
- Financial Management in Marine Industry
- Safety and Environmental Compliance

# Inter-Program Activity Period

---

Students have two options:

- stay on campus and spend a week experiencing a different program
- spend two weeks off-campus for an independent study with a business or organization associated with the marine industry

Many students choose shops or design firms where they are interested in working after graduation.



# Degree Pathways

---

## Associate's degree:

- Associate of Applied Science from The Landing School

## Bachelor's degree:

- Bachelor of Engineering in Yacht Design and Production through Southampton Solent University in the UK
- Bachelor of Science in Technical Management through Southern New Hampshire University





**SABRE**  
Crafted in the Maine Tradition

  
**BACK COVE**  
YACHTS

Aaron Crawford  
President / CEO





THE LANDING  
SCHOOL

# CARROLL MARINE



Kindergarten during the Rolex Farr 40 Worlds in Sydney 16/02/2016 ph. Andrea Francolini



# SPARKMAN & STEPHENS

FOUNDED 1929





# CARROLL MARINE



Kindergarten during the Rolex Farr 40 Worlds in Sydney 16/02/2016 ph. Andrea Francolini





# SABRE

Crafted in the Maine Tradition

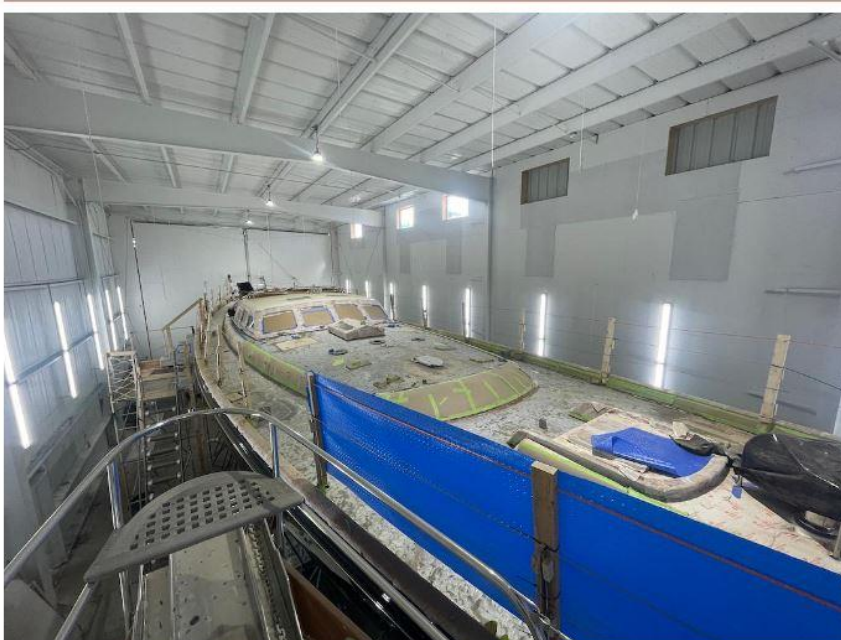




BOATBUILDING | SERVICE | BROKERAGE | MARINA | FABRICATION | TECHNOLOGIES



## Refit and Reborn



A year-long refit has given new life to the 28-meter Vitters-built ketch *Marguerite*.

After nearly a year of extensive refit work, we've completed our refit on the 28-meter Vitters-built ketch *Marguerite*. When the striking yacht came on the scene in 1999, she fulfilled the design brief of a globe-girdler with creature comforts to a T. And over the years, thanks to the regular attention of the skilled crews of Lyman-Morse boatbuilding, she stayed that way.





THANK YOU FOR JOINING US!

# Sector Spotlights

Education Lunch & Learn



SPONSORED BY

