*Delivered through the Colorado Community College System*

**\_\_\_\_\_\_\_\_RRCC Fine Woodworking \_\_\_\_\_\_\_\_\_\_\_\_\_ Program**

Preparing highly skilled and motivated leaders for Colorado’s workforce!

# Our Team

* Jeremy Cox – Department Lead
* Jason McCloskey – Full Time Faculty
* Thom Lapadat – Academic Services Professional/Shop Manager

# Our Vision

 Our vision is to provide students the pathway to explore the broadest spectrum of woodworking possibilities for career or personal fulfillment.

# Our Mission

To prepare woodworkers to meet industry demands, and pursue creative, and entrepreneurial endeavors.

# Our Plan

In order to achieve this mission we must:

● In the interest of maintaining state funding and acknowledgement of our success, we will need to continue to pursue a higher level of student completion rates. The first step in achieving this is to redesign certificates that make it easy for FIW students to navigate through our curriculum in a timely manner, while better preparing students to reach their academic goals.

● Effectively **Market** all aspects of our program as the finest in the country, to the specific woodworking audiences that do and do not know about who we are and what we do.

* Increased **program space**

The space we are currently using is poorly undersized and therefore creates safety, storage and functionality limitations. In order to expand any one of the listed goals we will need to address the concerns raised by the limitations in order to proceed. The proposed improvements of our department will lead to greater program recognition and increased enrollment.

**Goal 1. Increase our curriculum for woodworking industry**

*Our Target*: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| Action Step | Time Line | Est. Budget | Lead Responsibility | Status |
| Increase our production woodworking classes to focus on working in a production environment, through management training.  | 1-5 years | n/a | Program lead  | Will begin in the fall of 2018 |
| Acquire machinery and equipment appropriate for what would be expected to be found in a commercial woodworking environment. | 2-5 years | $24,500 | Program lead will work closely with advisory committee to develop a list of necessary equipment | To be pursued in the fall of 2018 (budget and space will be major consideration to pursue this goal)  |
| Develop a Cabinetmaking certificate to create a pathway for prospective students | Begin in fall 2017 but will not be able to advertise until the state has approved | n/a | Program lead | Will begin 2017/2018  |
| Develop internships with Industry partnerships to allow our students to gain work experience while enrolled in our department | 2-3 years | n/a | Program lead will work closely with the advisory committee to establish these industry partners | Conceptual process has already begun |
| Develop core competencies based on industry demands and introduce these skills into new and existing classes to prepare students for working in the industry. | 1 year | n/a | Program lead will work closely with the advisory committee to develop necessary competencies | We anticipate that this will be an ongoing opportunity to keep our curriculum current with employment needs. |

**Goal 2. Increase Woodworking Technology class offerings**

*Our Target*: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| Action Step | Time Line | Est. Budget | Lead Responsibility | Status |
| Acquire lecture space, close to the woodworking studios, where we can have 15 or more computers to align with budgetary standards for minimum enrolment. | 1-3 months | n/a | Department lead and shop manager | Space is being prepared and is projected to be ready for fall 2017 |
| Acquire new equipment that is relevant to the industry standards2- desktop lasers3 - desktop CNC routers1- 4 x 4 with available 4th (C) axis router with tool changer1- small 5 axis router | 1-5 years | $47,000 | Department Lead | We have two CNC routers and one laser. We will need to amend these tools to create a better work environment for students. Many of these pieces of equipment have been requested through Perkins Grants, we are awaiting the award notifications. |
| Increase technology classes software to 20 seats of the following: 20 seats of Rhino 3D\*20 seats of RhinoCAM 5 axis level (10seats\*)20 seats of MasterCAM 5 axis level (5seats\*)20 seats of Vcarve Pro (or Apsire) (30 seats of Vcarve\*)20 seats of Fusion360 (autocad with added CAM)20 seats Solidworks\*20 Adobe CC\*\*we have already | 1-2 years | ??? | Department Lead | We have many of the seats necessary to run our classes at 10 (number of computers we have currently). We need to purchase new software and/or additional seats to reach our departments objective to have 15 students in each class.  |

**Goal 3. \_\_Finishing Program expansion\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

*Our Target*: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| Action Step | Time Line | Est. Budget | Lead Responsibility | Status |
| To expand our wood finishing curriculum and professional partnerships to provide an education in finishing that will prepare our students for a career in this field. | 3-5 years | n/a | FIW department lead will work closely with FIW finishing instructors and professional wood finishers | We will begin this process, once we have identified how to appeal to wood finishing industry needs. |
| Establish an internship process for our students to gain work experience while attending RRCC. | 3-5 years | n/a | FIW department lead will work with the RRCC Internship office to coordinate relationships with professional wood finishers. | We will begin this process, once we have identified how to appeal to wood finishing industry needs. |
| Develop a Wood Finishing Certificate to recognize students focus and achievement in wood finishing techniques. | 5 years | n/a | FIW department lead | We will begin this process, once we have identified how to appeal to wood finishing industry needs. |

**Goal 4. \_\_\_\_Space Utilization and expansion\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| Action Step | Time Line | Est. Budget | Lead Responsibility | Status |
| In an effort to address the needs of our growing department, we will create a studio environment that functions more efficiently for demonstrations and student use.  | 1-5 years | Premature to assign costs at this time. We will need more detailed plans and estimates, in accordance with RRCC policies. | Department Lead | We are developing a concept to create a better studio space. We will need to have an architect design technical drawings to help with acquiring bids. |

**Goal 5. \_\_\_Dust collection replacement\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| Action Step | Time Line | Est. Budget | Lead Responsibility | Status |
| We are in need of replacing our outdated dust collection system, which is no longer working efficiently and is creating a health and safety hazard in and out of our studio spaces. We will replace our existing system with one that has greater filtration systems to increase indoor air quality for staff and students. This system will also be fitted with internal fire sensors to protect against combustion and explosions. | 1-4 years | $140,000 | Department lead and shop manager | We have submitted this project for necessary bids, and have identified vendors and preferred equipment relevant equipment. We have also identified that this project can utilize approximately 50% funding through Perkins grant funding. |

 **Goal 6. \_\_\_\_\_\_Prepare clear course sequencing \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

*Our Target*: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| Action Step | Time Line | Est. Budget | Lead Responsibility | Status |
| Establish a clear path for students to navigate through each of our certificates and degree, so that students have a clear path for how and when to schedule classes within in our department. This will dramatically benefit our student retention, recruitment and completion rates. | 1-3 months | n/a | Department lead, with assistance from the FIW advisory committee | In process. We anticipate being done with this project by summer 2017. |

**Goal 7. \_\_\_\_\_\_\_\_Marketing\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

*Our Target*: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| Action Step | Time Line | Est. Budget | Lead Responsibility | Status |
| Reach prospective students through print media, online advertisements, community engagement and service learning. | 1-5 | $25,000 | Department Lead | We are currently advertising in trade publications. We will reconsider if these are effective strategies in the upcoming academic year. |
| Target specific woodworking disciplines to increase enrollment in lutherie, woodturning, technology, furniture and newly expanded cabinetry and industry preparation. | 2-5 | $12,000 | Department Lead | We will begin execution of our marketing strategies, once we have developed a better curriculum development strategy for students to effectively navigate through their selected FIW program/s. |

**Goal 8. Pursue Grant Writing through the RRCC Foundation\_\_\_\_\_\_**

*Our Target*: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| Action Step | Time Line | Est. Budget | Lead Responsibility | Status |
| In the interest to successfully reach many of the departments goals listed above, we will work closely with the RRCC Foundation to develop a grant writing strategy and execution. | 1-5 years | n/a | Department Lead | We have worked with the Foundation previously, with successful results. We will continue to pursue a beneficial outcome with the foundation over the next five years. |