

**Rogue Community College**  
**2023/24 Proposed Fee Background**  
**3/17/2023**

**Science Lab Course Fees**

The College offers science labs in biology, chemistry, geology, physical science, and general physics. These labs involve activities emphasizing the practical application of theory in a field of study. These types of courses promote the use of critical and evaluative thinking. The ambiguous or open-ended scenarios encourage students to contemplate the implications of their decisions. These courses also promote concept attainment through experiential practice, helping students understand the nuances of a concept. Students often find themselves more deeply engaged as they experience the activity first-hand.

The resources and time required to develop a quality learning experience within a lab are greater than those of a standard course. These courses require a higher faculty-to-student ratio than standard instructional courses. In addition, these labs require specific equipment and technology, along with instructional supplies, to complete assignments.

The College is proposing a nominal fee of \$10 per course (see list below), to help offset these costs. The estimated revenue for 2023/24 based on the 2021/22 enrollment is \$21,090. This fee will be in addition to standard tuition and fees charged to students.

Course	Title	Course	Title
BI101L	Introduction to Biology I Lab	CHEM222L	General Chemistry II Lab
BI102L	Introduction to Biology I Lab	CHEM223L	General Chemistry III Lab
BI103L	Introduction to Biology III Lab	G101L	Introduction to Geology I Lab
BI121L	Elementary Anatomy and Physiology I Lab	G102L	Introduction to Geology II (Surface Process) Lab
BI122L	Elementary Anatomy and Physiology II Lab	G103L	Introduction to Geology III (Historical) Lab
BI211L	General Biology I Lab	GS104L	Physical Science: Physics Lab
BI212L	General Biology II Lab	GS107L	Physical Science: Physics Lab
BI213L	General Biology III Lab	GS108L	Physical Science: Oceanography Lab
BI231L	Anatomy and Physiology I Lab	GS170L	Regional Field Geology Lab
BI232L	Anatomy and Physiology II Lab	PH201L	General Physics I Lab
BI233L	Anatomy and Physiology III Lab	PH202L	General Physics II Lab
BI234L	Microbiology Lab	PH203L	General Physics III Lab
CHEM104L	Introductory Chemistry Lab	PH211L	General Physics (Calculus Based) I Lab
CHEM105L	Introductory Organic Chemistry Lab	PH212L	General Physics (Calculus Based) II Lab
CHEM106L	Introductory Biochemistry Lab	PH213L	General Physics (Calculus Based) III Lab
CHEM221L	General Chemistry I Lab		

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**Automotive Lab Course Fees**

The College offers an automotive program that combines the theoretical aspects of automotive diagnostics with hands-on training in a shop environment, enabling students to service and repair any type of automobile. Trades careers in areas such as automotive technology and welding require high skill levels. Hands-on learning is the only way students can directly understand the intricacies of the automotive field they will enter. RCC's automotive program replicates a shop environment. Students are provided the opportunity for hands-on instruction—by digging into car engines, performing routine maintenance, and diagnosing engine problems in cars that belong to the college and actual customers. During their course, students experience what is necessary to complete a repair, how to troubleshoot complex problems, and properly identify and use the necessary equipment. The hands-on training also teaches students how to avoid mistakes and manage them once they have occurred.

RCC's automotive courses require a higher faculty-to-student ratio than standard instructional courses. In addition, these courses require specific equipment and technology, along with instructional supplies necessary to complete lab assignments. Instructional material costs associated with the automotive program have increased by approximately 30% in the past few years.

The College is proposing a nominal fee of \$10 per credit (see list below), to help offset these costs. The estimated revenue for 2023/24 based on the 2021/22 enrollment is \$5,220. This fee will be in addition to standard tuition and fees charged to students.

Course	Title
AM111L	Electricity for Automotive Technicians Lab
AM120L	Automotive Maintenance and Practices Lab
AM122L	Gasoline Engines Rebuild Lab
AM131L	Engine Dynamics and Diagnosis Lab
AM141L	Manual Transmissions and Axles Lab
AM151L	Automotive Brake Systems Lab
AM160L	Auto Suspension and Steering Systems Lab
AM232L	Computerized Engine Management Systems Lab
AM233L	Advanced Automotive Computer Systems Lab
AM242L	Automatic Transmissions and Transaxles Lab
AM270L	Air Conditioning for Automotive Technicians Lab

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### **Welding Course Fees**

The College offers a welding program that combines classroom theory and experiential learning. Hands-on learning is the only way students can directly understand the intricacies of the field they will enter. When students are taught by doing, each is shown the correct ways to weld, they have a visual of what is happening during any given step of a process and better understand the reasoning behind each movement. Many students learn best by seeing and doing, so the opportunity to actively learn enhances not only their knowledge but also increases their likelihood of doing something correctly themselves while improving hand-eye coordination. During their course, students experience what is necessary to complete a project, how to troubleshoot complex problems, and properly identify and use the necessary equipment. The hands-on training also teaches students how to avoid mistakes and manage them once they have occurred.

RCC's welding labs require a higher faculty-to-student ratio than standard instructional courses. In addition, these labs require equipment and technology specific to the program along with instructional supplies necessary to complete lab assignments. The costs associated with steel have increased by approximately 35% in the past year.

The College currently charges a nominal fee of \$10 per credit. The proposed increase is \$5 per credit for a total of \$15 per credit (see list below), to help offset costs. The estimated revenue for 2023/24 based on the 2021/22 enrollment is \$23,130. This fee is in addition to standard tuition and fees charged to students.

Course	Title	Course	Title
WLD101	Welding Fundamentals I	WLD211	Technology of Industrial Welding IV
WLD102	Welding Fundamentals II	WLD212	Technology of Industrial Welding V
WLD 111	Technology of Industrial Welding I	WLD213	Technology of Industrial Welding VI
WLD111D	Technology of Industrial Welding for Diesel	WLD220	Machine Tool Maintenance and Repair
WLD111M	Technology of Industrial Welding for Manufacturing	WLD221	Welding Codes, Procedures, and Inspections
WLD112	Technology of Industrial Welding II	WLD250A	Selected Topics in Welding: FCAW
WLD113	Technology of Industrial Welding III	WLD250B	Selected Topics in Welding: GTAW
WLD121	Fabrication and Repair Practices I	WLD250C	Selected Topics in Welding: SMAW
WLD122	Fabrication and Repair Practices II	WLD250D	Selected Topics in Welding: GMAW
WLD160	American Welding Society Certification Seminar: Plate	WLD250F	Selected Topics: Welding Capstone Project
WLD199	Special Studies in Welding	WLD250P	Selected Topics: CNC Plasma Cutting

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**Fire Science**

In 2012/13 Fire Science was approved to assess course fees to help offset the price of instructional materials and equipment. Since that time, we have seen the programs transform into premier programs with little to no enrollment declines. Fire Science courses are taught at Jackson County Fire District 3's training facility, a few miles from Table Rock Campus. This partnership includes use of our joint building and provides our students access to training in realistic environments, including District 3's training tower and Burn City (simulation of burning buildings).

The Fire Science program combines classroom theory and experiential learning. Hands-on learning is the only way students can directly understand the intricacies of the field they will eventually enter. When students are taught by doing, each is shown the correct ways to perform an activity, they have a visual of what is happening and how to appropriately respond. Students learn a wide range of skills, from fire suppression to emergency rescue. During class they handle hazardous materials, fight fires, use extrication equipment, and practice basic EMT skills. The hands-on experience in a realistic environment is necessary to teach students how to complete tasks successfully, how to troubleshoot complex problems, properly identify and use the necessary equipment, and practice providing optimal responses to a fire, car accidents, and other emergencies.

RCC's fire science courses require a higher faculty-to-student ratio than standard instructional courses. In addition, these courses require equipment and technology specific to the program along with instructional supplies necessary to complete lab assignments. Examples include annual certification for turnouts, additional costs to meet accreditation standards set by Oregon Department of Public Safety Standards and Training, fire trucks, partnership agreements for use of training facility, and the rising costs of lumber used during trainings.

The following schedule details the courses that have a proposed increase in fees (highlighted in yellow). Courses with fees that are not changing are not listed. The estimated revenue for 2023/24 is \$14,550. This amount includes all courses with fees for Fire Science, including the proposed increases, based on the 2021/22 enrollment level.

Course	Title	2022/23 Fee	Proposed Change	2023/24 Fee
FRP233L	Firefighter Safety and Survival	\$100	\$150	\$250
FRP251L	Firefighter Essentials I	\$250	\$250	\$500
FRP252L	Firefighter Essentials II	\$150	\$100	\$250
FRP256L	Fire Behavior and Combustion	\$100	\$50	\$150

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**Emergency Medical Services**

In 2009/10 Emergency Medical Services (EMS), was the first department (other than HPER) to assess course fees to help offset the price of instructional materials and equipment. Over the past 13 years, we have seen the program transform into a premier program with little to no enrollment declines. In 2021 EMS was awarded Perkins funding to purchase an Immersive Interactive Simulation System that fully engages students by producing highly realistic environments for students to learn by combining video, audio, sensors, content, and software allowing the creation of a truly immersive and interactive environment in a single room.

The EMS program combines interactive classrooms and hands-on learning. Students in RCC's program gain the knowledge and skills necessary to recognize, assess, and manage medical emergencies and patients with acute traumatic and medical conditions in a pre-hospital setting. Their interactive classroom simulations and hands-on clinical opportunities prepare students to provide optimal response and care to victims of any emergency, disaster, or mass casualty event.

RCC's EMS program requires a higher faculty-to-student ratio than standard instructional courses and practicums. These courses require equipment and technology specific to the program along with instructional supplies necessary to complete lab assignments. Examples include ambulances, medication for instructional simulations, additional costs to meet accreditation standards set by the Commission on Accreditation of Allied Health Education Programs, practicum partnerships and rising costs of instructional materials supplied by the College.

The following schedule details the courses that have a proposed increase in fees (highlighted in yellow). Courses with fees that are not changing are not listed. The estimated revenue for 2023/24 is \$42,450. This amount includes all courses with fees for EMS, including the proposed increases, based on the 2021/22 enrollment level.

Course	Title	2022/23 Fee	Proposed Change	2023/24 Fee
EMS271L	Paramedic Care and Practice I	\$250	\$50	\$300
EMS272L	Paramedic Care and Practice II	\$250	\$50	\$300
EMS273L	Paramedic Care and Practice III	\$250	\$50	\$300
EMS284	Paramedic Clinical Capstone	\$100	\$100	\$200
ES131L	Emergency Medical Technician Part I	\$100	\$100	\$200
ES132L	Emergency Medical Technician Part II	\$100	\$100	\$200
ES268	Emergency Service Rescue	\$100	\$50	\$150

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#### Health and Physical Education/Recreation Course Fees

The Physical Education/Recreations (PE) courses with significant fees are offered as credit courses which provide a recreational learning experience. A recreational learning experience is one where the student has self-selected to attend or participate in a course for "fun" and the "learning" that occurs is viewed as fun too. Students are not required to take these courses and have the option of selecting a PE course with lower fees.

The Health Education (HE) course fees represent the cost of the online content used during class and cost of the CPR card provided at the end of the class. For consistency, all courses, whether online or in person, are charged the same fees.

HPER fees are examined annually to find the breakeven point of running these courses. The updated fees are representative of this breakeven analysis. The following schedule details the courses that have a proposed increase in fees (highlighted in yellow). Courses with fees that are not changing are not listed. The estimated revenue for 2023/24 is \$27,091. This amount includes all courses with fees for HPER, including the proposed increases, based on the 2021/22 enrollment level.

Course	Title	2022/23 Fee	Proposed Change	2023/24 Fee
HE112	Emergency First Aid	\$21	\$4	\$25
HE252	First Aid / CPR	\$61	\$4	\$65
HE252	First Aid / CPR	\$27	\$5	\$32
HE261	CPR / Basic Life Support Provider	\$31	\$4	\$35
HE261	CPR / Basic Life Support Provider	\$6	\$1	\$7
PE185BMT	Mountain Biking	\$140	\$81	\$221
PE185BOW	Bowling	\$75	\$25	\$100
PE185BPA	Backpacking Adventure	\$212	\$18	\$230
PE185HOA	Hiking Oregon Adventure	\$206	\$27	\$233
PE185KSA	Kayaking the Sea Coast Adventure	\$564	\$49	\$613
PE185KWW	Kayaking Whitewater	\$522	\$27	\$549
PE185MTA	Mountaineering	\$222	\$6	\$228
PE185RCA	Rock Climbing Adventure	\$252	\$15	\$267
PE185RCB	Beginning Rock Climbing	\$203	\$94	\$297
PE185RRV	Rafting the River	\$392	\$24	\$416
PE185SUA	Surfing Adventure	\$242	\$7	\$249
PE185WSA	Winter Survival and Snow Camping	\$212	\$17	\$229
PE199	Special Studies: San Juan Island Kayaking	\$1,481	\$123	\$1,604

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**Nursing and Practical Nursing**

In 2021/22 the College approved program fees of \$1,600 a term for nursing students and \$500 a term for practical nursing students to be implemented for the fall 2022 cohort. These fees have offset students' out-of-pocket costs by allowing RCC to supply individual equipment, such as stethoscopes, required for the program. In addition, the original program fee will help support the cost of adding 24 students, in addition to our current cohort of 32 students, starting in 2023/24 (pending formal approval from OSBN).

RCC is recommending increasing both program fees by \$200 per term. The proposed increase in fees will replace the out-of-pocket costs students are paying for software that supports instruction and prepares them for their licensure exams (NCLEX). The amount students have been paying out-of-pocket is more than the proposed fee.

In addition to reducing the overall cost to students, we are adding additional features, including ATI's virtual simulation access. The virtual simulation module will allow RCC to reduce a student's physical clinical site hours, reducing students' out-of-pocket costs related to travel and other incidentals. On the program side, it reduces the need to secure additional clinical sites and instructors to support the increase of 24 students per year.

The College currently charges \$1,600 a term for the nursing program. The proposed increase is \$200 per term for a total of \$1,800 per term. The estimated revenue for 2023/24 based on enrollment level of 32 students for 3 terms and 24 students for 1 term and a total fee of \$1,800 a term is \$216,000. This fee is in addition to standard tuition and fees charged to students.

The College currently charges \$500 a term for the practical nursing program. The proposed increase is \$200 per term for a total of \$700 per term. The estimated revenue for 2023/24 based on an enrollment level of 24 students for 3 terms and a total fee of \$700 a term is \$50,400. This fee is in addition to standard tuition and fees charged to students.