



**JIMMY H. BAKER**  
Chancellor

## Proposal for a New Degree Program

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### I. Information and Rationale

#### A. Primary Contact Information

Institution: Calhoun Community College

Contact: John Holley

Title: Dean Technologies

Email: john.holley@calhoun.edu

Telephone: 256-306-2865

#### B. Program Information

Date of Proposal Submission: 12/19/2024

Award Level: Associate's Degree

Award Nomenclature (e.g., BS, MBA):

Field of Study/Program Title: Diesel Technology

CIP Code (6-digit): 47.0605

Number of Hours in Program:64

Is a STC or full CER requested. Yes or No. If yes, Please include separate request for both.

#### C. Implementation Information

Proposed Program Implementation Date: 8/1/2025

Anticipated Date of Approval from Institutional Governing Board: 12/1/2024

Anticipated Date of ACHE Meeting to Vote on Proposal: 3/12/2025

SACSCOC Sub Change Requirement (Notification, Approval, or NA): Approval

Other Considerations for Timing and Approval (e.g., upcoming SACSCOC review): NA

#### D. Specific Rationale (Strengths) for the Program

List 3 – 5 strengths of the proposed program as specific rationale for recommending approval of this proposal.

1. Skill Development and Career Readiness
2. Comprehensive Practical Experience
3. Strong Industry Integration

List external entities (more may be added) that may have supplied letters of support attesting to the program's strengths and attach letters with the proposal at the end of this document.



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1. Woody Anderson Ford
2. [Insert Text]
3. [Insert Text]

## **II. Background with Context**

### **A. Concise Program Description**

Include general opportunities for work-based and/or experiential learning, if applicable.

***The college in association with the Alabama Office of Apprenticeship will implement and utilize the following in this program.***

***Internships: The program will require students to complete a certain number of internship hours in the field of study. These internships provide students with valuable industry experience, networking opportunities, and the chance to apply classroom knowledge to real-world projects.***

***Practicums: Some courses within the program may have integrated practicums, allowing students to gain hands-on experience while studying specific topics. Practicums are supervised by faculty members and provide a structured and supportive environment for students to apply their skills.***

***Industry Projects: Throughout the program, students will engage in industry-based projects, collaborating with local businesses or organizations to solve real challenges. This approach allows students to demonstrate their abilities, build their portfolio, and establish professional connections.***

***Simulations and Case Studies: The program will incorporate simulations and case studies to simulate real-world scenarios. Students work individually or in groups to analyze complex situations, make decisions, and present solutions based on actual industry challenges.***

***Professional Development Workshops: The college will organize workshops on resume building, interview skills, and networking to prepare students for successful WBL experiences.***

***Service-Learning Projects: Some courses may involve service-learning projects that combine community service with academic learning. Students engage with local organizations to address societal needs while developing critical skills relevant to their program of study.***

***Industry Visits and Guest Speakers: The college will arrange visits to various industries and invite guest speakers from different fields to provide insights into industry practices, career opportunities, and the relevance of the program in the real world***

### **B. Student Learning Outcomes**



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List four (4) to seven (7) of the student learning outcomes of the program.

**1. Students will acquire technical knowledge and skills to repair, service and maintain the following: Light-Duty Diesel Vehicles, Heavy Commercial Vehicles, Agricultural Equipment with Implements, Heavy Equipment and Machinery**

**2. The student will demonstrate competency in the removal, rebuilding, and the replacement, of a diesel engine and drivetrain including their components; overhaul to include disassembly, cleaning, measuring, inspecting, reassembly, and troubleshooting in accordance with appropriate ASE and manufacturers' regulations and best practices**

**3. Upon completion the student will be able to demonstrate their ability to successfully diagnose component failures, remove and repair/replace faulty system components in the following areas;**

- 1. Heavy Duty Brakes**
- 2. Diesel Electrical Systems**
- 3. Heavy Duty Steering and Suspension**
- 4. HVAC for Light and Heavy Truck**
- 5. Hydraulics and Pneumatics**
- 6. Diesel Emissions and Aftertreatment**

**4. Upon completion the student will be able to demonstrate their ability to successfully perform a DOT Annual Inspection. Additionally, students will demonstrate their ability to build a maintenance program for each the following;**

- 1. Light-Duty Diesel Vehicles**
- 2. Heavy Commercial Vehicles**
- 3. Agricultural Equipment with Implements**
- 4. Heavy Equipment and Machinery**

**C. Administration of the Program**

Name of Dean and College: **John Holley, Calhoun Community College**

Name of Department/Division: **Technologies**

Name of Chairperson: **Lewis Nall**

**D. Similar Programs at Other Alabama Public Institutions**

List programs at other Alabama public institutions of the same degree level and the same (or similar) CIP codes. If no similar programs exist within Alabama, list similar programs offered within the 16 SREB states. If the proposed program duplicates, closely resembles, or is similar to any other offerings in the state, provide justification for any potential duplication.

<b>CIP Code</b>	<b>Degree Title</b>	<b>Institution with Similar Program</b>	<b>Justification for Duplication</b>
47.0605	Diesel Technology	Wallace State	Industry representatives state, to recruit a qualified workforce is unsustainable based on the distance from the area of demand. .



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47.0605	Diesel and Heavy Equipment Mechanics	Lurleen B Wallace	Industry representatives state, to recruit a qualified workforce is unsustainable based on the distance from the area of demand. .

**E. Relationship to Existing Programs within the Institution**

1. Is the proposed program associated with any existing offerings within the institution, including options within current degree programs? Yes  No

(Note: Most new programs have some relationship to existing offerings, e.g., through shared courses or resources). If yes, complete the following table. If this is a graduate program, list any existing undergraduate programs which are directly or indirectly related. If this is a doctoral program, also list related master's programs.

Related Degree Program Level	Related Degree Program Title	Explanation of the Relationship Between the Programs
AAS	Automotive Technology	These programs share basic fundamental learning outcomes and leverage resources.

2. Will this program replace any existing programs or specializations, options, or concentrations? Yes  No

If yes, please explain.

3. Will the program compete with any current internal offerings? Yes  No

If yes, please explain.

**F. Collaboration**

- Have collaborations with other institutions or external entities been explored? Yes  No

If yes, provide a brief explanation indicating those collaboration plan(s) for the proposed program.

- Have any collaborations within your institution been explored? Yes  No

If yes, provide a brief explanation indicating those collaboration plan(s) for the proposed program.



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### G. Specialized Accreditation

1. Will this program have any external accreditation requirements in addition to the institution's SACSCOC program requirements? Yes  No

If yes, list the name(s) of the specialized accrediting organization(s) and the anticipated timeframe of the application process.

2. Does your institution intend to pursue any other non-required accrediting organizations for the program?\* Yes  No

If yes, list the name(s) of the organization(s) and the purpose of the pursuit.

If there are plans to pursue non-required external accreditation at a later date, list the name(s) and why the institution is not pursuing them at this time.

**Note: Check No to indicate that non-required external accreditation will not be pursued, which requires no explanation.**

### H. Admissions

- Will this program have any additional admissions requirements beyond the institution's standard admissions process/policies for this degree level? Yes  No

If yes, describe any other special admissions or curricular requirements, including any prior education or work experience required for acceptance into the program.

### I. Mode of Delivery

Provide the planned delivery format(s) (*i.e.*, in-person, online, hybrid) of the program as defined in policy along with the planned location(s) at which the program will be delivered (*i.e.*, on-campus and/or at specific off-campus instructional site(s)). Please also note whether any program requirements can be completed through competency-based assessment.

In Person on campus and hybrid

### J. Projected Program Demand (Student Demand)

**The primary methods used to determine the level of student demand for the program include analyzing enrollment trends in related coursework at Calhoun Community College and conducting a student interest survey. Enrollment data from previous semesters were reviewed to identify patterns of consistent or growing participation in relevant courses. For example, in Automotive Technology, a related program, enrollment has grown from 37 students in Fall 2019 to 60 students in Fall 2024.**



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Additionally, a survey instrument was distributed to a sample of current and prospective students as well as community members. Out of 28 responses, 75% expressed strong interest in the program, citing factors such as career advancement opportunities, alignment with job market trends, and availability of cutting-edge training resources. This evidence supports the demand for the program.

### III. Program Resource Requirements

#### A. Proposed Program Faculty\*

##### Current Faculty and Faculty to Be Hired

Complete the following **New Academic Degree Proposal Faculty Roster** to provide a brief summary and qualifications of current faculty and potential new hires specific to the program.

**\*Note:** Institutions must maintain and have current as well as additional faculty curriculum vitae available upon ACHE request for as long as the program is active, but CVs are **not** to be submitted with this proposal.

Current Faculty			
1	2	3	4
CURRENT FACULTY NAME (FT, PT)	COURSES TAUGHT including Term, Course Number, Course Title, & Credit Hours (D, UN, UT, G, DU)	ACADEMIC DEGREES and COURSEWORK Relevant to Courses Taught, including Institution and Major; List Specific Graduate Coursework, if needed	OTHER QUALIFICATIONS and COMMENTS Related to Courses Taught and Modality(ies) (IP, OL, HY, OCIS)
Lewis Nall	Automotive	Nashville Auto Diesel College/ BS Systems Mgt. Western Kentucky	ASE Certifications
Additional Faculty (To Be Hired)			
1	2	3	4
FACULTY POSITION (FT, PT)	COURSES TO BE TAUGHT including Term, Course Number, Course Title, & Credit Hours (D, UN, UT, G, DU)	ACADEMIC DEGREES and COURSEWORK Relevant to Courses Taught, including Institution and Major; List Specific Graduate Coursework, if needed	OTHER QUALIFICATIONS and COMMENTS Related to Courses Taught and Modality(ies) (IP, OL, HY, OCIS)
FT- Diesel	ALL DEM	AAS with concentration in diesel and automotive or similar focus	ASE certificaton

Abbreviations: (FT, PT): Full-Time, Part-Time; (D, UN, UT, G, DU): Developmental, Undergraduate Nontransferable, Undergraduate Transferable, Graduate, Dual: High School Dual Enrollment  
 Course Modality: (IP, OL, HY, OCIS): In-Person, Online, Hybrid, Off-Campus Instructional Site  
 Courses Taught/To be Taught – For a substantive change prospectus/application, list the courses *to be taught*, not historical teaching assignments.



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**All Proposed Program Personnel**

Provide all personnel counts for the proposed program.

Employment Status of Program Personnel		Personnel Information		
		Count from Proposed Program Department	Count from Other Departments	Subtotal of Personnel
<b>Current</b>	Full-Time Faculty	1		
	Part-Time Faculty			
	Administration			
	Support Staff			
<b>**New To Be Hired</b>	Full-Time Faculty	1		
	Part-Time Faculty	1		
	Administration			
	Support Staff	1		
			<b>Personnel Total</b>	<b>4</b>

**\*\*Note: Any new funds** designated for compensation costs (Faculty (FT/PT), Administration, and/or Support Staff to be Hired) **should be included** in the **New Academic Degree Program Business Plan Excel file**. Current personnel salary/benefits (Faculty (FT/PT), Administration, and/or Support Staff) **should not be included** in the **Business Plan**.

Provide justification that the institution has proposed a sufficient number of faculty (full-time and part-time) for the proposed program to ensure curriculum and program quality, integrity, and review.

**The proposed staffing aligns with comparable programs and adheres to accreditation standards. Faculty qualifications meet or exceed institutional and program-specific requirements, with advanced degrees and/or certifications in the field. This balance of full-time and part-time faculty ensures robust academic delivery while incorporating flexibility to address fluctuations in enrollment or course offerings. Regular performance reviews and professional development opportunities further support faculty effectiveness and program quality.**

**B. Equipment**

Will any special equipment be needed specifically for this program? Yes  No

If yes, list the special equipment. Special equipment cost should be included in the **New Academic Degree Program Business Plan Excel file**.

Case		Agricultural Tractor
John Deere		Agricultural Tractor
NC3	596FMETERKIT	596 DVOM Certification Kit
NC3	TORQCERTKITP	Mechanical and Electronic Torque Kit
NC3	BSCCERT750	Battery Starting & Charging Cert Kit



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NC3	HTISCERTKIT	Tool ID Cert Kit
NC3	PMICERTKIT	Precision Measuring Cert Kit
NC3	PMILABBLOCK	Gauge Block for PMI
NC3	PMIVK	Instructor Verification Kit PMI
NC3	Thermo King	Thermo King Certification Kit
Consulab	MD-4000-22_053343	Advanced Electronics Kit
Consulab	SC-4000-12_05213	Advanced Electronics Kit Storage Cabinet
Consulab	CL-1919-12_053340	Ohm's Law Trainer Kit
Consulab	CL-1902-12_053286	Electromagnetism Trainer Kit
Consulab	MD-4000-23_053344	Drivability Electronics Modupoint Kit
Consulab	MP-1918-1S_053040	Can Bus Multiplex Training Kit
Consulab	24586-01	Can Bus Trainer Covers
Consulab	CL-1918-4S_053304	Automotive Lighting System Trainer
Gray	WPLS-190W(4)	Class 8 Semi Truck Lift System
		4-Post Lift System
		2-Post Lift System
Snap-on	OMG18204	20 Ton Jack
Snap-on	OMG32225B	22 Ton Jack Stands
Snap-on	OMG32107B	Frame Rail Jack Stands
Snap-on	OMG18302C	30 Ton Jack Stands
Snap-on	OMG3212B	12 Ton Jack Stands
Snap-on	OMG40700	Ford Transmission Jack
Gray	MM 2000	Transmission Jack Class 8
Gray	HTCJ-2000	Differential Adapter Plate
Gray	TCHS Kit	Transmission Adapter
Gray		Clutch Adapter Plate
Gray		Flywheel Adapter Plate
Gray	DBD200	Disc Brake Dolly
Gray	DBD Drum Adapter	Drum Dolly for DBD 200
Gray		Transmission Jack Stand
OTC		Diesel Engine Rotator & Plate
OTC	4507	Race and Seal Driver Kit
Gray	TCJ-500	Truck Component Jack
OTC	9850	Wheel End Socket Set
K Line	AT31000	Large Tractor Splitting System

<b>Diesel Add on Tools</b>		
1/2 Air Impact		20
3/8 Air Impact		20
14.4 3/8 Cordless Impact Set		20
18V 1/2 Cordless Impact Set		20





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18V 3/8 Cordless Impact Set	20
14.4 3/8 Cordless Impact Driver Set	20
18V Cordless Drill	20
14.4 3/8 Cordless Ratchet Set	20
Standard Wrench Set	20
Flex Ratcheting Wrench Set Standard	20
Flare Nut Wrench Set	20
Large Wrench Set Metric	20
Large Wrench Set Standard	20
1/2 Swivel Socket Set Metric Shallow Swivel Impact	20
1/2 Swivel Socket Set Standard Shallow Swivel Impact	20
3/8 Swivel Socket Set Metric Deep Swivel Impact	20
3/8 Swivel Socket Set Standard Deep Swivel Impact	20
Large Pry Bar Set	20
Hammer Set	20
Stubby Wrench Set Standard	20
Large Plier Set	20
18V 3/4 Cordless Impact	20
596 Meter	20

**C. Facilities**

Will any new facilities be required specifically for the program? Yes  No

If yes, list only **new** facilities. New facilities cost should be included in the **New Academic Degree Program Business Plan Excel file.**

**Two existing facilities will be utilized. One is currently being used for the Automotive program. The second will be minimally refurbished to a standard to for educational quality and to meet the program growth as the program is implemented.**

Will any renovations to any existing infrastructure be required specifically for the program? Yes  No

If yes, list the renovations. Renovation costs should be included in the **New Academic Degree Program Business Plan Excel file.**

**D. Assistantships/Fellowships**

Will the institution offer any assistantships specifically for this program? Yes  No

If yes, how many assistantships will be offered?

The expenses associated with any *new* assistantships should be included in the **New Academic Degree Program Business Plan Excel file.**



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### E. Library

Provide a brief summarization (one to two paragraphs) describing the current status of the library collections supporting the proposed program.

The current status of our library collection is sufficient to support the diesel technology program, as evidenced by a wide range of relevant and high-quality resources. These include studies on diesel engine performance, machining deformation under multi-stress conditions, heat transfer systems, biodiesel fuel blends, fault diagnosis techniques, and noise and vibration analysis in diesel-related machinery. Examples of such resources are articles from respected journals like the *International Journal of Advanced Manufacturing Technology*, *Journal of Thermal Analysis & Calorimetry*, and *Shock & Vibration*. This comprehensive coverage ensures adequate support for academic and practical aspects of the program.

Will additional library resources be required to support the program? Yes  No

If yes, briefly describe how any deficiencies will be remedied, and include the cost in the **New Academic Degree Program Business Plan Excel file**.

### F. Accreditation Expenses

Will the proposed program require accreditation expenses? Yes  No

If yes, briefly describe the estimated cost and funding source(s) and include cost in the **New Academic Degree Program Business Plan Excel file**.

**\$2000.00 for SACS-COC review of 4 prospectuses. This has been budgeted for Spring 25 in the institutions IE Institutional budget.**

### G. Other Costs

Please explain any other costs to be incurred with program implementation, such as marketing or recruitment costs. Be sure to note these in the **New Academic Degree Program Business Plan Excel file**.

### H. Revenues for Program Support

Will the proposed program require budget reallocation? Yes  No

If yes, briefly describe how any deficiencies will be remedied and include the revenue in the **New Academic Degree Program Business Plan Excel file**.

Will the proposed program require external funding (e.g., Perkins, Foundation, Federal Grants, Sponsored Research, etc.)? Yes  No

If yes, list the sources of external funding and include the revenue in the



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## **New Academic Degree Program Business Plan Excel file.**

Please describe how you calculated the tuition revenue that appears in the **New Academic Degree Program Business Plan Excel file**. Specifically, did you calculate using cost per credit hour or per term? Did you factor in differences between resident and non-resident tuition rates? **The tuition revenue in the New Academic Degree Program Business Plan Excel file was calculated based on cost per credit hour. The calculation accounted for the projected number of enrolled students, the average number of credit hours taken per term, and the applicable tuition rates.**

**Non-resident tuition rates were not factored into the calculation to provide an accurate estimate of revenue based on what the college can project.**

## **IV. Employment Outcomes and Program Demand (Industry Need)**

### **A. Standard Occupational Code System**

Using the federal Standard Occupational Code (SOC) System, indicate the top three occupational codes related to post-graduation employment from the program. A full list of SOCs can be found at <https://www.onetcodeconnector.org/find/family/title#17>.

A list of Alabama's *In-Demand Occupations* is available at <https://www.ache.edu/index.php/policy-guidance/>.

SOC Code 1: 49-3031 Bus and Truck Mechanics and Diesel Engine Specialist

SOC Code 2: 49-3041 Farm Equipment Mechanics and Service Technicians

SOC Code 3: 49-3042 Mobile Heavy Equipment Mechanics, Except Engines

Briefly describe how the program fulfills a specific industry or employment need for the State of Alabama. As appropriate, discuss alignment with Alabama's Statewide or Regional Lists of In-Demand Occupations (<https://www.ache.edu/index.php/policy-guidance/>) or with emerging industries as identified by [Innovate Alabama](#) or the [Economic Development Partnership of Alabama](#) (EDPA).

**The diesel technology program addresses a critical industry need in Alabama by preparing a skilled workforce for the state's robust transportation, manufacturing, and logistics sectors. Diesel technicians are essential for maintaining and repairing heavy machinery, commercial vehicles, and industrial equipment that drive Alabama's economy. The program aligns with Alabama's Statewide In-Demand Occupations, which highlight diesel engine specialists as a priority. Additionally, the program supports emerging industries identified by Innovate Alabama and EDPA, such as advanced manufacturing and sustainable transportation solutions, ensuring graduates are equipped for both current and future workforce demands in the state.**

### **B. Employment Preparation**



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Describe how the proposed program prepares graduates to seek employment in the occupations ([SOC codes](#)) identified.

The proposed program prepares graduates for employment as Bus and Truck Mechanics and Diesel Engine Specialists, Farm Equipment Mechanics and Service Technicians, and Mobile Heavy Equipment Mechanics (excluding engines) by providing a comprehensive education that emphasizes both theoretical knowledge and hands-on training. Key components of the program include:

1. **Industry-Relevant Curriculum:** The curriculum is designed to align with the specific skills and knowledge required in these occupations, including diagnostics, repair techniques, system maintenance, and safety protocols.
2. **Hands-On Training:** Students gain practical experience working with diesel engines, farm equipment, and heavy machinery in state-of-the-art labs equipped to simulate real-world environments.
3. **Certifications and Credentials:** The program incorporates preparation for industry-recognized certifications, such as ASE (Automotive Service Excellence) certifications, which enhance graduates' employability.
4. **Focus on Emerging Technologies:** With the integration of new technologies in diesel and heavy equipment industries, the program includes training in advanced diagnostic tools, alternative fuels, and environmentally sustainable practices.
5. **Internships and Partnerships:** Collaborations with local employers provide students with internship opportunities, allowing them to apply their skills in professional settings and build industry connections.
6. **Career Development Support:** The program offers career counseling, resume-building workshops, and job placement assistance to help graduates transition into the workforce successfully.

By addressing the technical, technological, and professional demands of these occupations, the program equips graduates with the skills and qualifications needed to excel in Alabama's growing diesel technology and heavy equipment sectors.

### **C. Professional Licensure/Certification**

Please explain if professional licensure or industry certification is required for graduates of the proposed program to gain entry-level employment in the occupations selected.

If licensure or certification is required, please provide name of organization granting licensure or certification.

NA

### **D. Additional Education/Training**

Please explain whether further education/training is required for graduates of the proposed program to gain entry-level employment in the occupations selected.

No additional Education training required.



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**V. Curriculum Information for Proposed Degree Program**

A. Program Completion Requirements: Enter the credit hour value for all applicable components (enter N/A if not applicable).

Curriculum Overview of Proposed Program	
Credit hours required in <b>general education</b>	16
Credit hours required in <b>program courses</b>	48
Credit hours in <b>program electives/concentrations/tracks</b>	
Credit hours in <b>free electives</b>	NA
Credit hours in <b>required research/thesis</b>	NA
<b>Total Credit Hours Required for Completion</b>	<b>64</b>

Note: The above credit hours **MUST** match the credit hours in the *Curriculum Components of Proposed Program* table in Section V.G.

B. Maximum number of credits that can be transferred in from another institution and applied to the program: **48**

C. Intended program duration in semesters for full-time students: **4 semesters**

D. Intended program duration in semesters for part-time students: **8 semesters**

E. Does the program require students to demonstrate industry-validated skills, specifically through an embedded industry-recognized certification, structured [work-based learning](#) with an employer partner, or alignment with nationally recognized industry standards? Yes  No

If yes, explain how these components fit with the required coursework.

**All students will be required to successfully earn a industry-recognized credential and participate in structured work based learning to obtain completion of the program.**

F. Does the program include any concentrations? Yes  No

If yes, provide an overview and identify these courses in the *Electives/Concentrations/Tracks* section in the Curriculum Components of Proposed Program Table in Section V.G.

G. Please provide all course information as indicated in the following table. Indicate new courses with “Y” in the associated column. If the course includes a required work-based



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learning component, such as an internship or practicum course, please indicate with a “Y” in the WBL column.

<b>Program Name:</b>	Light Duty Vehicle Program			
<b>Program Level:</b>				
<b>Curriculum Components of Proposed Program</b>				
Course Number	Course Title	Credit Hours	New? (Y)	WBL? (Y)
<b>General Education Courses (Undergraduate Only)</b>				
ENG 101	English Composition	3		
	Humanities/ Fine Art Elective	3		
MTH 103	Technical Math	3		
	History, Social or Behavioral Science	3		
	Science Elective	4		
<b>Program Courses</b>				
DEM 105	Preventive Maintenance	3		
DEM 130	Electrical Electronic Fundamentals	3		
DEM 124	Electronic Engine Systems	3		
DEM 234	Diesel Electronic Systems Cab/Chassis	3		
DEM 104	Basic Engines	3		
DEM 126	Advanced Engines	3		
DEM 129	Diesel Engine La b	3		



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DEM 127	Fuel Systems	3		
DEM 134	Computer Controlled Engine and Power Train Systems	3		
DEM 139	Diesel Emissions and After Treatment Systems	3		
DEM 125	Heavy Vehicle Drive Trains	3		
DEM 128	Heavy Vehicle Drive Train Lab	3		
DEM 137	Heating, Air Conditioning and Refrigeration	3		
DEM 122	Heavy Vehicle Brakes	3		
DEM 135	Heavy Vehicle Steering and Suspension Systems	3		
DEM 266	Co- Op	3	Y	Y
<b>*Total Credit Hours Required for Completion</b>		<b>64</b>		

**\*Note:** The total credit hours should equal the total credit hours in the Curriculum Overview table (V.B, p. 9).

<b>Program Name:</b>	<b>Diesel Technology Commercial Vehicle Program</b>			
<b>Program Level:</b>				
<b>Curriculum Components of Proposed Program</b>				
<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>	<b>New? (Y)</b>	<b>WBL? (Y)</b>
<b>General Education Courses (Undergraduate Only)</b>				
ENG 101	English Composition	3		
	Humanities/ Fine Art Elective	3		
MTH 103	Technical Math	3		
	History, Social or Behavioral Science	3		
	Science Elective	4		
<b>Program Courses</b>				
DEM 105	Preventive Maintenance	3		
DEM 130	Electrical Electronic Fundamentals	3		
DEM 124	Electronic Engine Systems	3		
DEM 234	Diesel Electronic Systems Cab/Chassis	3		
DEM 122	Heavy Vehicle Brakes	3		
DEM 135	Heavy Vehicle Steering and Suspension	3		
DEM 104	Basic Engines	3		



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DEM 126	Advance Engine	3		
DEM 129	Diesel Engine Lab	3		
DEM 127	Fuel Systems	3		
DEM 139	Diesel Emissions and After Treatment Systems	3		
DEM 125	Heavy Vehicle Drive Train	3		
DEM 128	Heavy Vehicle Drive Train Lab	3		
DEM 137	Heating Air Conditioning and Refrigeration	3		
DEM 154	Vehicle Maintenance and Safe Operating Practices	3	Y	Y
DEM 156	CDL License Test Prep	3		
<b>*Total Credit Hours Required for Completion</b>		<b>64</b>		

<b>Program Name:</b>	<b>Diesel Technology Agricultural Program</b>			
<b>Program Level:</b>				
<b>Curriculum Components of Proposed Program</b>				
<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>	<b>New? (Y)</b>	<b>WBL? (Y)</b>
<b>General Education Courses (Undergraduate Only)</b>				
ENG 101	English Composition	3		
	Humanities/ Fine Art Elective	3		
MTH 103	Technical Math	3		
	History, Social or Behavioral Science	3		
	Science Elective	4		
<b>Program Courses</b>				
DEM 105	Preventive Maintenance	3		
DEM 130	Electrical Electronic Fundamentals	3		
DEM 124	Electronic Engine Systems	3		
DEM 234	Diesel Electronic Systems Cab/Chassis	3		
DEM 104	Basic Engines	3		
DEM 126	Advance Engine	3		
DEM 127	Fuel Systems	3		





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DEM 122	Heavy Vehicle Brakes	3		
DEM 118	Industrial and Agricultural Equipment	3		
DEM 123	Pneumatics and Hydraulics	3		
DEM 139	Diesel Emissions and After Treatment Systems	3		
DEM 125	Heavy Vehicle Drive Train	3		
DEM 128	Heavy Vehicle Drive Train Lab	3		
DEM 137	Heating Air Conditioning and Refrigeration	3		
DEM 119	Bearings and Lubricants	3		
DEM 266	CO OP	3	Y	Y
<b>*Total Credit Hours Required for Completion</b>		<b>64</b>		



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<b>Program Name:</b>	Diesel Technology Heavy Equipment			
<b>Program Level:</b>				
<b>Curriculum Components of Proposed Program</b>				
Course Number	Course Title	Credit Hours	New? (Y)	WBL? (Y)
<b>General Education Courses (Undergraduate Only)</b>				
ENG 101	English Composition	3		
	Humanities/ Fine Art Elective	3		
MTH 103	Technical Math	3		
	History, Social or Behavioral Science	3		
	Science Elective	4		
<b>Program Courses</b>				
DEM 105	Preventive Maintenance	3		
DEM 130	Electrical Electronic Fundamentals	3		
DEM 124	Electronic Engine Systems	3		
DEM 234	Diesel Electronic Systems Cab/Chassis	3		
DEM 104	Basic Engines	3		
DEM 126	Advance Engine	3		
DEM 127	Fuel Systems	3		
DEM 122	Heavy Vehicle Brakes	3		
DEM 118	Industrial and Agricultural Equipment	3		
DEM 123	Pneumatics and Hydraulics	3		
DEM 139	Diesel Emissions and After Treatment Systems	3		
DEM 125	Heavy Vehicle Drive Train	3		
DEM 135	Heavy Vehicle Steering and Suspension Systems	3		
DEM 137	Heating Air Conditioning and Refrigeration	3		
DEM 154	Vehicle Maintenance & Safe Operating Practices	3	Y	Y
DEM 156	CDL License Test Preparation	3		
<b>*Total Credit Hours Required for Completion</b>		<b>64</b>		

**Academic Degree Program Summary/Business Plan**

Use the Excel form from for New Academic Degree Program Business Plan, to complete the New Academic Program Degree Proposal.

**Steps for Submitting the New Academic Degree Proposal**

## ACADEMIC DEGREE PROGRAM PROPOSAL SUMMARY

<b>INSTITUTION:</b>	Calhoun Community College		
<b>PROGRAM NAME:</b>	Diesel Technology	<b>CIP CODE:</b>	47.0605
<b>SELECT LEVEL:</b>	UNDERGRADUATE (BACHELOR'S)		

### ESTIMATED \*NEW\* EXPENSES TO IMPLEMENT PROPOSED PROGRAM

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	TOTAL
FACULTY	\$101,012	\$101,012	\$101,012	\$101,012	\$101,012	\$101,012	\$101,012	\$707,084
ADMINISTRATION/STAFF	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
EQUIPMENT	\$85,000	\$50,000	\$50,000	\$0	\$0	\$0	\$0	\$185,000
FACILITIES	\$32,000	\$42,000	\$0	\$0	\$0	\$0	\$0	\$74,000
ASSISTANTSHIPS/FELLOWSHIPS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
LIBRARY	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ACCREDITATION AND OTHER COSTS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>TOTAL EXPENSES</b>	<b>\$218,012</b>	<b>\$193,012</b>	<b>\$151,012</b>	<b>\$101,012</b>	<b>\$101,012</b>	<b>\$101,012</b>	<b>\$101,012</b>	<b>\$966,084</b>

### \*NEW\* REVENUES AVAILABLE FOR PROGRAM SUPPORT

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	TOTAL
REALLOCATIONS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
EXTERNAL FUNDING	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000
TUITION + FEES	\$44,550	\$97,500	\$193,000	\$193,000	\$193,000	\$193,000	\$193,000	\$1,107,050
<b>TOTAL REVENUES</b>	<b>\$44,550</b>	<b>\$147,500</b>	<b>\$193,000</b>	<b>\$193,000</b>	<b>\$193,000</b>	<b>\$193,000</b>	<b>\$193,000</b>	<b>\$1,157,050</b>

### ENROLLMENT PROJECTIONS

*Note: "New Enrollment Headcount" is defined as unduplicated counts across years.*

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	AVERAGE
FULL-TIME ENROLLMENT HEADCOUNT	No data reporting	18	35	35	35	35	35	32.17
PART-TIME ENROLLMENT HEADCOUNT		5	5	5	5	5	5	5.00
<b>TOTAL ENROLLMENT HEADCOUNT</b>		23	40	40	40	40	40	37.17
<b>NEW ENROLLMENT HEADCOUNT</b>		20	30	30	30	30	30	28.33
<b>Validation of Enrollment</b>			YES	YES	YES	YES	YES	

### DEGREE COMPLETION PROJECTIONS

*Note: Do not count Lead "0"s and Lead 0 years in computing the average annual degree completions.*

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	AVERAGE
<b>DEGREE COMPLETION PROJECTIONS</b>	No data reporting	13	28	28	28	28	28	25.50



**JIMMY H. BAKER**  
Chancellor

CATHY A. STENDER, OWNER

WOODY ANDERSON FORD

2500 Jordan Lane | PO Box 11400 35814 | Huntsville, AL 35816  
Phone: (256) 539-9441 | CAnderson@WoodyAndersonFord.com

December 4, 2024

Dr. Jimmy Hodges  
Calhoun Community College  
PO Box 2216  
Decatur, AL 35609

RE: Diesel Program at Calhoun Community College

Dear Dr. Hodges:

This letter is written in support of the Diesel Program that you are planning to start at Calhoun Community College. We are critically short of trained technicians and this program would provide great value to the people of our region. We are also committed to its success and we will provide the following support once the program is underway.

First, we can assist you as you look for trained adjunct instructors. I realize that this is critical to grow the program and provide night course offerings. Second, we would like to hire students while they are in the program through the Co-op program that currently exists at Calhoun. This will allow us to work with those students and hopefully we can offer them employment upon graduation. Third, our dealership is committed to assisting you in finding equipment and automobiles for use in the program. The ability to learn on relatively new automobiles will help students arrive ready to successfully begin their careers. Finally, we will help the program with our expertise and commit to providing a member of our leadership to serve on your advisory board.

We believe that these commitments will help Calhoun Community College build a stellar program that will meet the workforce needs of our region.

Yours Truly,

A handwritten signature in cursive script that reads "Cathy".

Cathy A. Stender



"Relentlessness. Perpetual Innovation to Serve Our Guests Better."  
~Cathy A. Stender



**JIMMY H. BAKER**  
Chancellor

**BOBBY WHITE, GENERAL MANAGER**

**WOODY ANDERSON FORD**

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Phone: (256) 539-9441 | bwhite@WoodyAndersonFord.com

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Yours Truly,

A handwritten signature in blue ink that reads "Bobby White".

Bobby White  
General Manager



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~Cathy A. Stender