### I. Team Members

<table>
<thead>
<tr>
<th>Name</th>
<th>Member Type</th>
<th>Email</th>
<th>Contact Phone</th>
<th>Responsible for what part</th>
<th>Signature</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>George Hritz</td>
<td>Primary Team Member</td>
<td><a href="mailto:george.hritz@marin.edu">george.hritz@marin.edu</a></td>
<td>8531</td>
<td>all</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### II. Program Review Committee

<table>
<thead>
<tr>
<th>Name</th>
<th>Committee (Chairs)</th>
<th>Signature</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chris Schultz</td>
<td>Curriculum Committee Chair</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Blaze Woodlief</td>
<td>Educational Planning Committee</td>
<td></td>
<td></td>
</tr>
<tr>
<td>V-Anne Chernock and Erik Dunmire</td>
<td>Facilities Committee Co-Chairs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yolanda Bellisimo</td>
<td>Planning and Resource Allocation Committee Co-Chair/Academic Senate President</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nick Chang</td>
<td>Planning and Resource Allocation Committee Co-Chair/Instructional Equipment Committee Chair</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sara McKinnon and Becky Brown</td>
<td>Program Review Committee Chair and SLO Coordinators</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chris Schulz</td>
<td>Student Access and Success Committee Chair</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michael Irvine</td>
<td>Tech Committee Chair</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### III. Vice President of Academic Affairs

<table>
<thead>
<tr>
<th>Name</th>
<th>Signature</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nick Chang</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### IV. Board of Trustees President

<table>
<thead>
<tr>
<th>Name</th>
<th>Signature</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eva Long</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
This section will be filled out by faculty and reviewed by the Department Chair, the ARea Dean, the Instructional Equipment Committee, IPC and Budget.
Please enter items that will be used over a period of semesters BY STUDENTS...(Note: These should be NEW items that you are requesting one time only - not ongoing or consumable. Ongoing and consumable requests go under "Other Instructional Equipment". Technology-related requests should go under "Technology Requests".
Select whether the item is less than or more than $200 each. If you are a large discipline with several areas, please include which area this item is for. Include Tax, Shipping and Handling in the total cost for each item.

I. Instructional Equipment/Materials Requirements

<table>
<thead>
<tr>
<th>Priority</th>
<th>To Support</th>
<th>Category</th>
<th>Discipline Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>10 Classes</td>
<td>Over $200 Each</td>
<td>AUTO</td>
</tr>
</tbody>
</table>

Description and part number for ordering:
Mastertech VCI with NETGEAR Router Kit (Scan Tool) Domestic Region & Asian Combo Program

<table>
<thead>
<tr>
<th>Qty.</th>
<th>Unit Cost:</th>
<th>Tax:</th>
<th>Shipping:</th>
<th>Total:</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>$4,385.00</td>
<td>$394.65</td>
<td>$32.00</td>
<td>$4,811.65</td>
</tr>
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</table>

One-time expenses: (e.g. construction, electrical, installation)
none

On-going Expenses: (e.g. maintenance, repairs, staffing, and/or upgrades)
none

Item to be shared with the following Department/Program: (Include any shared expenses)
none

Do you have space for this equipment? Yes

Justification for Item (See Rating Rubric)
1. Indicate how important this item is to the life of your discipline.
   • 'A' means that your discipline cannot teach your course(s) without the requested equipment.
   • 'B' means that your course(s) would be greatly enhanced with the requested equipment.
   • 'C' means that you would like this piece of equipment for your course(s) but can wait for a future academic year.

"A"

This scan tool was funded through the modernization project for the Transportation Technologies Complex. I was told that I did not have to prioritize my list of equipment if I stayed under the allocated dollar amount. They ordered from the top of the list working down until 85% of the budget was spent. They would order the last 15% after the first group was received in case there were any unexpected expenses. After everything was received they cut the last 15%. Had I known this I would have prioritized the equipment as this is a very important tool. It is the newest scan tool from Bosch Diagnostics and represents the industry move from stand-alone scan tools to PC based scan tools. Without learning this new technology our graduates will not be prepared to enter the workforce with the required industry standard technological skills.
2. Is this equipment required to meet Title 5 and/or Ed Code? If so, how? (Cite code)
Is this equipment required to meet any local, state or federal Health and Safety Code? If so, how? (Cite code)

no

3. How will the quality of instruction be improved for student learning and success? Is it necessary for students to succeed in a series of courses?

It is the industry standard technology scan tool from Bosch Diagnostics and represents the industry move form stand-alone scan tools to PC based scan tools. Without learning this new technology our graduates will not be prepared for the job.

4. How will access for students be improved? How many students (annually) will benefit from this request? Is it required to accommodate existing students? Would it be vital to attracting new students?

This type of technology will be used by almost every student in every class. Vehicles all now use a Communication Area Network (CAN) where all the vehicles systems communicate on a single bus. Replacing a brake light bulb with a bulb with a different wattage could cause a vehicle to not start. Students need to be knowledgeable in use of these types of scan tools to be able to perform even the simplest tasks.

5. What student learning or other outcomes are expected? Is it important to the achievement of student goals?

One of the Student Learning Outcomes states that a student will be able to demonstrate the use of current technology used in the Automotive Service and Repair Industry. This is the technology used today.

6. How will these outcomes be measured for future planning? What data or evidence supports your request?

Students are required to show competence in the use of equipment both on manipulative and written tests.

Additional Justification for this item:

This scan tool was funded through the modernization project for the Transportation Technologies Complex. I was told that I did not have to prioritize my list of equipment if I stayed under the allocated dollar amount. They ordered from the top of the list working down until 85% of the budget was spent. They would order the last 15% after the first group was received in case there were any unexpected expenses. After everything was received they cut the last 15%. Had I known this I would have prioritized the equipment as this is a very important tool.

I. Instructional Equipment/Materials Requirements

<table>
<thead>
<tr>
<th>Priority</th>
<th>To Support</th>
<th>Category</th>
<th>Discipline Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>02</td>
<td>10 Classes</td>
<td>Over $200 Each</td>
<td>AUTO</td>
</tr>
</tbody>
</table>

Description and part number for ordering:

OTC Pegisys Wireless Diagnostic System

<table>
<thead>
<tr>
<th>Qty.</th>
<th>Unit Cost:</th>
<th>Tax:</th>
<th>Shipping:</th>
<th>Total:</th>
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<tbody>
<tr>
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<td>$4,450.00</td>
<td>$400.50</td>
<td>$0.00</td>
<td>$4,850.50</td>
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</table>

One-time expenses: (e.g. construction, electrical, installation)

none

On-going Expenses: (e.g. maintenance, repairs, staffing, and/or upgrades)
Item to be shared with the following Department/Program: (Include any shared expenses)

no

Do you have space for this equipment? Yes

Justification for Item (See Rating Rubric)

1. Indicate how important this item is to the life of your discipline.
   • 'A' means that your discipline cannot teach your course(s) without the requested equipment.
   • 'B' means that your course(s) would be greatly enhanced with the requested equipment.
   • 'C' means that you would like this piece of equipment for your course(s) but can wait for a future academic year.

   "A"

This scan tool was funded through the modernization project for the Transportation Technologies Complex. I was told that I did not have to prioritize my list of equipment if I stayed under the allocated dollar amount. They ordered from the top of the list working down until 85% of the budget was spent. They would order the last 15% after the first group was received in case there were any unexpected expenses. After everything was received they cut the last 15%. Had I known this I would have prioritized the equipment as this is a very important tool. It is the newest scan tool from OTC Diagnostics and represents the industry move from stand-alone scan tools to PC based scan tools. Without learning this new technology our graduates will not be prepared to enter the workforce with the required industry standard technological skills.

2. Is this equipment required to meet Title 5 and/or Ed Code? If so, how? (Cite code)
   Is this equipment required to meet any local, state or federal Health and Safety Code? If so, how? (Cite code)

   no

3. How will the quality of instruction be improved for student learning and success? Is it necessary for students to succeed in a series of courses?
   It is the industry standard technology scan tool from OTC Diagnostics and represents the industry move from stand-alone scan tools to PC based scan tools. Without learning this new technology our graduates will not be prepared for the job.

4. How will access for students be improved? How many students (annually) will benefit from this request? Is it required to accommodate existing students? Would it be vital to attracting new students?
   This type of technology will be used by almost every student in every class. Vehicles all now use a Communication Area Network (CAN) where all the vehicles systems communicate on a single bus. Replacing a brake light bulb with a bulb with a different wattage could cause a vehicle to not start. Students need to be knowledgeable in use of these types of scan tools to be able to perform even the simplest tasks.

5. What student learning or other outcomes are expected? Is it important to the achievement of student goals?
   One of the Student Learning Outcomes states that a student will be able to demonstrate the use of current technology used in the Automotive Service and Repair Industry. This is the technology used today.

6. How will these outcomes be measured for future planning? What data or evidence supports your request?
Students are required to show competence in the use of equipment both on manipulative and written tests.

**Additional Justification for this item:**

This scan tool was funded through the modernization project for the Transportation Technologies Complex. I was told that I did not have to prioritize my list of equipment if I stayed under the allocated dollar amount. They ordered from the top of the list working down until 85% of the budget was spent. They would order the last 15% after the first group was received in case there were any unexpected expenses. After everything was received they cut the last 15%. Had I known this I would have prioritized the equipment as this is a very important tool.

---

### I. Instructional Equipment/Materials Requirements

<table>
<thead>
<tr>
<th>Priority</th>
<th>To Support:</th>
<th>Category</th>
<th>Discipline Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>03</td>
<td>22 Classes</td>
<td>Over $200 Each</td>
<td>AUTO</td>
</tr>
</tbody>
</table>

#### Description and part number for ordering:

ELMO Document Camera

<table>
<thead>
<tr>
<th>Qty.</th>
<th>Unit Cost:</th>
<th>Tax:</th>
<th>Shipping:</th>
<th>Total:</th>
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<tbody>
<tr>
<td>1</td>
<td>$845.00</td>
<td>$76.05</td>
<td>$30.00</td>
<td>$951.05</td>
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**One-time expenses:** (e.g. construction, electrical, installation)

none

**On-going Expenses:** (e.g. maintenance, repairs, staffing, and/or upgrades)

none

**Item to be shared with the following Department/Program:** (Include any shared expenses)

no

**Do you have space for this equipment?**

Yes

#### Justification for Item (See Rating Rubric)

1. Indicate how important this item is to the life of your discipline.
   - 'A' means that your discipline cannot teach your course(s) without the requested equipment.
   - 'B' means that your course(s) would be greatly enhanced with the requested equipment.
   - 'C' means that you would like this piece of equipment for your course(s) but can wait for a future academic year.

   "B"

   This camera was funded through the modernization project for the Transportation Technologies Complex. I was told that I did not have to prioritize my list of equipment if I stayed under the allocated dollar amount. They ordered from the top of the list working down until 85% of the budget was spent. They would order the last 15% after the first group was received in case there were any unexpected expenses. After everything was received they cut the last 15%. Had I known this I would have prioritized the equipment as this is a very important tool.

2. Is this equipment required to meet Title 5 and/or Ed Code? If so, how? (Cite code)

Is this equipment required to meet any local, state or federal Health and Safety Code? If so, how? (Cite code)
3. How will the quality of instruction be improved for student learning and success? Is it necessary for students to succeed in a series of courses?

Demonstrating hand-held meters and digital storage oscilloscopes and scan tools is worthless when presenting to a large group. The most productive way to make this type of presentation is to project the images on to a large screen. The document camera make this very easy to do.

4. How will access for students be improved? How many students (annually) will benefit from this request? Is it required to accommodate existing students? Would it be vital to attracting new students?

Instructors will use this in almost all classes.

5. What student learning or other outcomes are expected? Is it important to the achievement of student goals?

One of the Student Learning Outcomes states that a student will be able to demonstrate the use of current technology used in the Automotive Service and Repair Industry. This camera will enhance the students access to the use of current technology.

6. How will these outcomes be measured for future planning? What data or evidence supports your request?

Students are required to show competence in the use of equipment both on manipulative and written tests.

Additional Justification for this item:

This camera was funded through the modernization project for the Transportation Technologies Complex. I was told that I did not have to prioritize my list of equipment if I stayed under the allocated dollar amount. They ordered from the top of the list working down until 85% of the budget was spent. They would order the last 15% after the first group was received in case there were any unexpected expenses. After everything was received they cut the last 15%. Had I known this I would have prioritized the equipment as this is a very important tool.

I. Instructional Equipment/Materials Requirements

<table>
<thead>
<tr>
<th>Priority: 04</th>
<th>To Support: 10 Classes</th>
<th>Category: Over $200 Each</th>
<th>Discipline Area: AUTO</th>
</tr>
</thead>
</table>

Description and part number for ordering:

MODIS Elite 9.2 MODIS CF Kit

<table>
<thead>
<tr>
<th>Qty.</th>
<th>Unit Cost: $671.25</th>
<th>Tax: $60.42</th>
<th>Shipping: $0.00</th>
<th>Total: $731.67</th>
</tr>
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</table>

One-time expenses: (e.g. construction, electrical, installation)

none

On-going Expenses: (e.g. maintenance, repairs, staffing, and/or upgrades)

none

Item to be shared with the following Department/Program: (Include any shared expenses)

none
Do you have space for this equipment? Yes

Justification for Item (See Rating Rubric)
1. Indicate how important this item is to the life of your discipline.
   • 'A' means that your discipline cannot teach your course(s) without the requested equipment.
   • 'B' means that your course(s) would be greatly enhanced with the requested equipment.
   • 'C' means that you would like this piece of equipment for your course(s) but can wait for a future academic year.
   "A"

This scan tool update was funded through the modernization project for the Transportation Technologies Complex. I was told that I did not have to prioritize my list of equipment if I stayed under the allocated dollar amount. They ordered from the top of the list working down until 85% of the budget was spent. They would order the last 15% after the first group was received in case there were any unexpected expenses. After everything was received they cut the last 15%. Had I known this I would have prioritized the equipment as this is a very important tool. It is the newest scan tool update from Snap-On Diagnostics. Without learning this new technology our graduates will not be prepared for the job.

2. Is this equipment required to meet Title 5 and/or Ed Code? If so, how? (Cite code)
   Is this equipment required to meet any local, state or federal Health and Safety Code? If so, how? (Cite code)
   no

3. How will the quality of instruction be improved for student learning and success? Is it necessary for students to succeed in a series of courses?
   It is the newest scan tool update from Snap-On Diagnostics. Without learning this new technology our graduates will not be prepared for the job.

4. How will access for students be improved? How many students (annually) will benefit from this request? Is it required to accommodate existing students? Would it be vital to attracting new students?
   This type of technology will be used by almost every student in every class. Vehicles all now use a Communication Area Network (CAN) where all the vehicles systems communicate on a single bus. Replacing a brake light bulb with a bulb with a different wattage could cause a vehicle to not start. Students need to be knowledgeable in use of these types of scan tools to be able to perform even the simplest tasks.

5. What student learning or other outcomes are expected? Is it important to the achievement of student goals?
   One of the Student Learning Outcomes states that a student will be able to demonstrate the use of current technology used in the Automotive Service and Repair Industry. This is the technology used today.

6. How will these outcomes be measured for future planning? What data or evidence supports your request?
   Students are required to show competence in the use of equipment both on manipulative and written tests.

Additional Justification for this Item:
This scan tool update was funded through the modernization project for the Transportation Technologies Complex. I was told that I did not have to prioritize my list of equipment if I stayed under the allocated dollar amount. They ordered from the top of the list working down until 85% of the budget was spent. They would order the last 15% after the first group was received in case there were any unexpected
expenses. After everything was received they cut the last 15%. Had I known this I would have prioritized the equipment as this is a very important tool.

I. Instructional Equipment/Materials Requirements

<table>
<thead>
<tr>
<th>Priority</th>
<th>To Support</th>
<th>Category</th>
<th>Discipline Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>05</td>
<td>10 Classes</td>
<td>Over $200 Each</td>
<td>AUTO</td>
</tr>
</tbody>
</table>

Description and part number for ordering:
VERUS ELITE Service Cart

<table>
<thead>
<tr>
<th>Qty.</th>
<th>Unit Cost:</th>
<th>Tax:</th>
<th>Shipping:</th>
<th>Total:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$9,206.44</td>
<td>$828.58</td>
<td>$0.00</td>
<td>$10,035.02</td>
</tr>
</tbody>
</table>

One-time expenses: (e.g. construction, electrical, installation)
none

On-going Expenses: (e.g. maintenance, repairs, staffing, and/or upgrades)
none

Item to be shared with the following Department/Program: (Include any shared expenses)
none

Do you have space for this equipment? Yes

Justification for Item (See Rating Rubric)

1. Indicate how important this item is to the life of your discipline.
   • 'A' means that your discipline cannot teach your course(s) without the requested equipment.
   • 'B' means that your course(s) would be greatly enhanced with the requested equipment.
   • 'C' means that you would like this piece of equipment for your course(s) but can wait for a future academic year.

   "B"

This scan tool was funded through the modernization project for the Transportation Technologies Complex. I was told that I did not have to prioritize my list of equipment if I stayed under the allocated dollar amount. They ordered from the top of the list working down until 85% of the budget was spent. They would order the last 15% after the first group was received in case there were any unexpected expenses. After everything was received they cut the last 15%. Had I known this I would have prioritized the equipment as this is a very important tool. It is the newest scan tool from Snap-On Diagnostics. Without learning this new technology our graduates will not be prepared for the job.

2. Is this equipment required to meet Title 5 and/or Ed Code? If so, how? (Cite code)
   Is this equipment required to meet any local, state or federal Health and Safety Code? If so, how? (Cite code)
   no

3. How will the quality of instruction be improved for student learning and success? Is it necessary for students to succeed in a series of courses?
   It is the newest scan tool from Snap-On Diagnostics. Without learning this new technology our graduates will not be prepared for the job.
4. How will access for students be improved? How many students (annually) will benefit from this request? Is it required to accommodate existing students? Would it be vital to attracting new students?

This type of technology will be used by almost every student in every class. Vehicles all now use a Communication Area Network (CAN) where all the vehicles systems communicate on a single bus. Replacing a brake light bulb with a bulb with a different wattage could cause a vehicle to not start. Students need to be knowledgeable in use of these types of scan tools to be able to perform even the simplest tasks.

5. What student learning or other outcomes are expected? Is it important to the achievement of student goals?

One of the Student Learning Outcomes states that a student will be able to demonstrate the use of current technology used in the Automotive Service and Repair Industry. This is the technology used today.

6. How will these outcomes be measured for future planning? What data or evidence supports your request?

Students are required to show competence in the use of equipment both on manipulative and written tests.

Additional Justification for this item:

This scan tool was funded through the modernization project for the Transportation Technologies Complex. I was told that I did not have to prioritize my list of equipment if I stayed under the allocated dollar amount. They ordered from the top of the list working down until 85% of the budget was spent. They would order the last 15% after the first group was received in case there were any unexpected expenses. After everything was received they cut the last 15%. Had I known this I would have prioritized the equipment as this is a very important tool.
Technology Requests

Part I : Software

Auto-2010

I. Technology/Software Requests
This section will be filled out by faculty and reviewed by the Department Chair, the Area Dean, the Technology Committee, IPC and Budget.

<table>
<thead>
<tr>
<th>Priority</th>
<th>To Support</th>
<th>Category</th>
<th>Discipline Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>10 Classes</td>
<td>Discipline-Related Software</td>
<td>AUTO</td>
</tr>
</tbody>
</table>

Description and part number for ordering:
Update EASE Diagnostic scan tool

<table>
<thead>
<tr>
<th>Qty.</th>
<th>Unit Cost</th>
<th>Tax</th>
<th>Shipping</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$75.00</td>
<td>$6.75</td>
<td>$0.00</td>
<td>$81.75</td>
</tr>
</tbody>
</table>

Type: Upgrade
How often?: Annually
College-wide: Open Lab
Discipline-Specific: Lab use

Item to be shared with the following Department/Program: (Include any shared expenses)
none

Justification for Item (See Rating Rubric)

1. Indicate how important this item is to the life of your discipline.
   • 'A' means that your discipline cannot teach your course(s) without the requested equipment.
   • 'B' means that your course(s) would be greatly enhanced with the requested equipment.
   • 'C' means that you would like this piece of equipment for your course(s) but can wait for a future academic year.
In addition, how many times have you requested this item, but you have not received it?
"A"

The Automotive Technology Program teaches the operation of eight different scan tools. These scan tools need a software update yearly. The current cost to update all the scan tools is $6095.00. I propose that we rotate the update to assure that all scan tools are updated at least every three years.

2. Is this software required to meet Title 5 and/or Ed Code? If so, how? (Cite code)
   Is this equipment required to meet any local, state or federal Health and Safety Code? If so, how? (Cite code)
   no

3. How will the quality of instruction be improved for student learning and success? Is it necessary for students to succeed in a series of courses?
   The industry has many options for scan tools each with its own technology. The technician generally does not own the scan tool the business does. Without learning a variety of technologies our graduates will not be prepared to enter the workforce.

4. How will access for students be improved? How many students (annually) will benefit from this request? Is it required to accommodate existing students? Would it be vital to attracting new students?
   This type of technology will be used by almost every student in every class. Vehicles all now use a Communication Area Network (CAN) where all the vehicles systems communicate on a single bus. Replacing a brake light bulb with a bulb with a
different wattage could cause a vehicle to not start. Students need to be knowledgeable in use of these types of scan tools to be able to perform even the simplest tasks.

5. What student learning or other outcomes are expected? Is it important to the achievement of student goals?
One of the Student Learning Outcomes states that a student will be able to demonstrate the use of current technology used in the Automotive Service and Repair Industry. This is the technology used today.

6. How will these outcomes be measured for future planning? What data or evidence supports your request?
Students are required to show competence in the use of equipment both on manipulative and written tests.

Additional Justification for this item:
The technology that is used on today’s vehicles is more advanced than the fighter jets that were used in the Vietnam War. Everything from tire pressure to emission controls is monitored. Since 2008 all vehicles use a Computer Area Network (CAN) where all vehicle systems communicate on a single communication bus. Beginning with model year 2012 all vehicles will have to have active stability control. Without staying current with the technology the student will not be prepared to enter the technical workforce.

I. Technology/Software Requests
This section will be filled out by faculty and reviewed by the Department Chair, the Area Dean, the Technology Committee, IPC and Budget.

<table>
<thead>
<tr>
<th>Priority</th>
<th>To Support:</th>
<th>Category</th>
<th>Discipline Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>19 Classes</td>
<td>Discipline-Related Software</td>
<td>AUTO</td>
</tr>
</tbody>
</table>

Description and part number for ordering:
Update two ATS scan tools

<table>
<thead>
<tr>
<th>Qty.</th>
<th>Unit Cost:</th>
<th>Tax:</th>
<th>Shipping:</th>
<th>Total:</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>$75.00</td>
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<td>$156.75</td>
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</tbody>
</table>

Type: Upgrade
How often? College-wide

Item to be shared with the following Department/Program: (Include any shared expenses)
no

Justification for Item (See Rating Rubric)
1. Indicate how important this item is to the life of your discipline.
• ‘A’ means that your discipline cannot teach your course(s) without the requested equipment.
• ‘B’ means that your course(s) would be greatly enhanced with the requested equipment.
• ‘C’ means that you would like this piece of equipment for your course(s) but can wait for a future academic year.
In addition, how many times have you requested this item, but you have not received it?

"A"
The Automotive Technology Program teaches the operation of eight different scan tools. These scan tools need a software update yearly. The current cost to update all the scan tools is $6095.00. I propose that we rotate the update to assure that all scan tools are updated at least every three years.

2. Is this software required to meet Title 5 and/or Ed Code? If so, how? (Cite code)
   This equipment required to meet any local, state or federal Health and Safety Code? If so, how? (Cite code)

   no

3. How will the quality of instruction be improved for student learning and success? Is it necessary for students to succeed in a series of courses?

   The industry has many options for scan tools each with its own technology. The technician generally does not own the scan tool the business does. Without learning a variety of technologies our graduates will not be prepared to enter the workforce.

4. How will access for students be improved? How many students (annually) will benefit from this request? Is it required to accommodate existing students? Would it be vital to attracting new students?

   This type of technology will be used by almost every student in every class. Vehicles all now use a Communication Area Network (CAN) where all the vehicles systems communicate on a single bus. Replacing a brake light bulb with a bulb with a different wattage could cause a vehicle to not start. Students need to be knowledgeable in use of these types of scan tools to be able to perform even the simplest tasks.

5. What student learning or other outcomes are expected? Is it important to the achievement of student goals?

   One of the Student Learning Outcomes states that a student will be able to demonstrate the use of current technology used in the Automotive Service and Repair Industry. This is the technology used today.

6. How will these outcomes be measured for future planning? What data or evidence supports your request?

   Students are required to show competence in the use of equipment both on manipulative and written tests.

Additional Justification for this item:

The technology that is used on todayâ??s vehicles is more advanced than the fighter jets that were used in the Vietnam War. Everything from tire pressure to emission controls is monitored. Since 2008 all vehicles use a Computer Area Network (CAN) where all vehicle systems communicate on a single communication bus. Beginning with model year 2012 all vehicles will have to have active stability control. Without staying current with the technology the student will not be prepared to enter the technical workforce.

I. Technology/Software Requests

This section will be filled out by faculty and reviewed by the Department Chair, the Area Dean, the Technology Committee, IPC and Budget.

<table>
<thead>
<tr>
<th>Priority</th>
<th>To Support</th>
<th>Category</th>
<th>Discipline Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>10 Classes</td>
<td>Discipline-Related</td>
<td>AUTO</td>
</tr>
</tbody>
</table>

Description and part number for ordering:

update AutoBoss scan tool
The Automotive Technology Program teaches the operation of eight different scan tools. These scan tools need a software update yearly. The current cost to update all the scan tools is $6095.00. I propose that we rotate the update to assure that all scan tools are updated at least every three years.

2. Is this software required to meet Title 5 and/or Ed Code? If so, how? (Cite code)
Is this equipment required to meet any local, state or federal Health and Safety Code? If so, how? (Cite code)
no

3. How will the quality of instruction be improved for student learning and success? Is it necessary for students to succeed in a series of courses?
The industry has many options for scan tools each with its own technology. The technician generally does not own the scan tool the business does. Without learning a variety of technologies our graduates will not be prepared to enter the workforce.

4. How will access for students be improved? How many students (annually) will benefit from this request? Is it required to accommodate existing students? Would it be vital to attracting new students?
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5. What student learning or other outcomes are expected? Is it important to the achievement of student goals?
One of the Student Learning Outcomes states that a student will be able to demonstrate the use of current technology used in the Automotive Service and Repair Industry. This is the technology used today.

6. How will these outcomes be measured for future planning? What data or evidence supports your request?
Students are required to show competence in the use of equipment both on manipulative and written tests.
Additional Justification for this item:
The technology that is used on today’s vehicles is more advanced that the fighter jets that were used in the Vietnam War. Everything from tire pressure to emission controls is monitored. Since 2008 all vehicles use a Computer Area Network (CAN) where all vehicle systems communicate on a single communication bus. Beginning with model year 2012 all vehicles will have to have active stability control. Without staying current with the technology the student will not be prepared to enter the technical workforce.

I. Technology/Software Requests
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<tr>
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<th>Category</th>
<th>Discipline Area</th>
</tr>
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<tbody>
<tr>
<td>01</td>
<td>10 Classes</td>
<td>Discipline-Related</td>
<td>AUTO</td>
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</table>

Description and part number for ordering:
Update Snap-On MODIS

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<th>Qty.</th>
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<td>$872.00</td>
</tr>
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</table>

Type | How often? | College-wide | Discipline-Specific
Upgrade | Annually | Open Lab | Lab use

Item to be shared with the following Department/Program: (Include any shared expenses)
no

Justification for Item (See Rating Rubric)
1. Indicate how important this item is to the life of your discipline.
   ● ‘A’ means that your discipline cannot teach your course(s) without the requested equipment.
   ● ‘B’ means that your course(s) would be greatly enhanced with the requested equipment.
   ● ‘C’ means that you would like this piece of equipment for your course(s) but can wait for a future academic year.
   In addition, how many times have you requested this item, but you have not received it?
   "A"

The Automotive Technology Program teaches the operation of eight different scan tools. These scan tools need a software update yearly. The current cost to update all the scan tools is $6095.00. I propose that we rotate the update to assure that all scan tools are updated at least every three years.

2. Is this software required to meet Title 5 and/or Ed Code? If so, how? (Cite code)
   Is this equipment required to meet any local, state or federal Health and Safety Code? If so, how? (Cite code)
   no

3. How will the quality of instruction be improved for student learning and success? Is it necessary for students to succeed in a series of courses?
   The industry has many options for scan tools each with its own technology. The technician generally does not own the scan tool the business does. Without learning a variety of technologies our graduates will not be prepared to enter the workforce.

4. How will access for students be improved? How many students (annually) will benefit from
this request? Is it required to accommodate existing students? Would it be vital to attracting new students?

This type of technology will be used by almost every student in every class. Vehicles all now use a Communication Area Network (CAN) where all the vehicles systems communicate on a single bus. Replacing a brake light bulb with a bulb with a different wattage could cause a vehicle to not start. Students need to be knowledgeable in use of these types of scan tools to be able to perform even the simplest tasks.

5. What student learning or other outcomes are expected? Is it important to the achievement of student goals?

One of the Student Learning Outcomes states that a student will be able to demonstrate the use of current technology used in the Automotive Service and Repair Industry. This is the technology used today.

6. How will these outcomes be measured for future planning? What data or evidence supports your request?

Students are required to show competence in the use of equipment both on manipulative and written tests.

Additional Justification for this item:

The technology that is used on today’s vehicles is more advanced that the fighter jets that were used in the Vietnam War. Everything from tire pressure to emission controls is monitored. Since 2008 all vehicles use a Computer Area Network (CAN) where all vehicle systems communicate on a single communication bus. Beginning with model year 2012 all vehicles will have to have active stability control. Without staying current with the technology the student will not be prepared to enter the technical workforce.

I. Technology/Software Requests

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<th>Category</th>
<th>Discipline Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>10 Classes</td>
<td>Discipline-Related Software</td>
<td>AUTO</td>
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</table>

Description and part number for ordering:

Update Matco Proscan Tool

<table>
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<th>Qty.</th>
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</table>

Type: Upgrade  How often?: Annually  College-wide: Open Lab  Discipline-Specific: Lab use

Item to be shared with the following Department/Program: (Include any shared expenses)

none

Justification for Item (See Rating Rubric)

1. Indicate how important this item is to the life of your discipline.
   • ‘A’ means that your discipline cannot teach your course(s) without the requested equipment.
   • ‘B’ means that your course(s) would be greatly enhanced with the requested equipment.
   • ‘C’ means that you would like this piece of equipment for your course(s) but can wait for a future academic year.

In addition, how many times have you requested this item, but you have not received it?
The Automotive Technology Program teaches the operation of eight different scan tools. These scan tools need a software update yearly. The current cost to update all the scan tools is $6095.00. I propose that we rotate the update to assure that all scan tools are updated at least every three years.

2. Is this software required to meet Title 5 and/or Ed Code? If so, how? (Cite code)
   Is this equipment required to meet any local, state or federal Health and Safety Code? If so, how? (Cite code)

3. How will the quality of instruction be improved for student learning and success? Is it necessary for students to succeed in a series of courses?
   The industry has many options for scan tools each with its own technology. The technician generally does not own the scan tool the business does. Without learning a variety of technologies our graduates will not be prepared to enter the workforce.

4. How will access for students be improved? How many students (annually) will benefit from this request? Is it required to accommodate existing students? Would it be vital to attracting new students?
   This type of technology will be used by almost every student in every class. Vehicles all now use a Communication Area Network (CAN) where all the vehicles systems communicate on a single bus. Replacing a brake light bulb with a bulb with a different wattage could cause a vehicle to not start. Students need to be knowledgeable in use of these types of scan tools to be able to perform even the simplest tasks.

5. What student learning or other outcomes are expected? Is it important to the achievement of student goals?
   One of the Student Learning Outcomes states that a student will be able to demonstrate the use of current technology used in the Automotive Service and Repair Industry. This is the technology used today.

6. How will these outcomes be measured for future planning? What data or evidence supports your request?
   Students are required to show competence in the use of equipment both on manipulative and written tests.

Additional Justification for this item:
   The technology that is used on today’s vehicles is more advanced that the fighter jets that were used in the Vietnam War. Everything from tire pressure to emission controls is monitored. Since 2008 all vehicles use a Computer Area Network (CAN) where all vehicle systems communicate on a single communication bus. Beginning with model year 2012 all vehicles will have to have active stability control. Without staying current with the technology the student will not be prepared to enter the technical workforce.

I. Technology/Software Requests
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</thead>
<tbody>
<tr>
<td>01</td>
<td>10 Classes</td>
<td>Discipline-Related Software</td>
<td>AUTO</td>
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</table>

Description and part number for ordering:
### Update Genisys Scan Tool

<table>
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<tr>
<th>Qty.</th>
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**Type**  
Upgrade  
**How often?**  
Annually  
**Department/Program to be shared with the following:**  
College-wide  
Lab use  

**Justification for Item (See Rating Rubric)**

1. **Indicate how important this item is to the life of your discipline.**  
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   **Is this equipment required to meet any local, state or federal Health and Safety Code? If so, how? (Cite code)**  
   no

3. **How will the quality of instruction be improved for student learning and success? Is it necessary for students to succeed in a series of courses?**  
   The industry has many options for scan tools each with its own technology. The technician generally does not own the scan tool the business does. Without learning a variety of technologies our graduates will not be prepared to enter the workforce.

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   This type of technology will be used by almost every student in every class. Vehicles all now use a Communication Area Network (CAN) where all the vehicles systems communicate on a single bus. Replacing a brake light bulb with a bulb with a different wattage could cause a vehicle to not start. Students need to be knowledgeable in use of these types of scan tools to be able to perform even the simplest tasks.

5. **What student learning or other outcomes are expected? Is it important to the achievement of student goals?**  
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6. **How will these outcomes be measured for future planning? What data or evidence supports your request?**  
   Students are required to show competence in the use of equipment both on manipulative
and written tests.

**Additional Justification for this item:**
The technology that is used on today’s vehicles is more advanced that the fighter jets that were used in the Vietnam War. Everything from tire pressure to emission controls is monitored. Since 2008 all vehicles use a Computer Area Network (CAN) where all vehicle systems communicate on a single communication bus. Beginning with model year 2012 all vehicles will have to have active stability control. Without staying current with the technology the student will not be prepared to enter the technical workforce.

### I. Technology/Software Requests

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<tr>
<td>01</td>
<td>10 Classes</td>
<td>Discipline-Related</td>
<td>AUTO</td>
</tr>
</tbody>
</table>

**Description and part number for ordering:**
Update Tech 2 scan tool

<table>
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<tr>
<th>Qty.</th>
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<th>Tax:</th>
<th>Shipping:</th>
<th>Total:</th>
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<td>$1,520.55</td>
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</table>

**Type**
Upgrade

**How often?**
Annually

**College-wide**
Open Lab

**Discipline-Specific**
Lab use

**Item to be shared with the following Department/Program:** (Include any shared expenses)
none

**Justification for Item (See Rating Rubric)**

1. **Indicate how important this item is to the life of your discipline.**
   - 'A' means that your discipline cannot teach your course(s) without the requested equipment.
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In addition, how many times have you requested this item, but you have not received it?
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2. **Is this software required to meet Title 5 and/or Ed Code? If so, how? (Cite code)**
   Is this equipment required to meet any local, state or federal Health and Safety Code? If so, how? (Cite code)
   
   no

3. **How will the quality of instruction be improved for student learning and success? Is it necessary for students to succeed in a series of courses?**

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I. Technology/Software Requests

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<tbody>
<tr>
<td>01</td>
<td>10 Classes</td>
<td>Discipline-Related Software</td>
<td>AUTO</td>
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Description and part number for ordering:

Update Mastertech scantool

<table>
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<tr>
<th>Qty.</th>
<th>Unit Cost:</th>
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<td>$1,495.00</td>
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</table>

Type: Upgrade

How often? College-wide: Every Two Years

Lab-wide: Discipline-Specific

Item to be shared with the following Department/Program: (Include any shared expenses)

none

Justification for Item (See Rating Rubric)

1. Indicate how important this item is to the life of your discipline.
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• ‘B’ means that your course(s) would be greatly enhanced with the requested equipment.
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2. Is this software required to meet Title 5 and/or Ed Code? If so, how?  (Cite code)
Is this equipment required to meet any local, state or federal Health and Safety Code? If so, how?  (Cite code)

no

3. How will the quality of instruction be improved for student learning and success?  Is it necessary for students to succeed in a series of courses?
The industry has many options for scan tools each with its own technology. The technician generally does not own the scan tool the business does. Without learning a variety of technologies our graduates will not be prepared to enter the workforce.

4. How will access for students be improved?  How many students (annually) will benefit from this request?  Is it required to accommodate existing students?  Would it be vital to attracting new students?
This type of technology will be used by almost every student in every class. Vehicles all now use a Communication Area Network (CAN) where all the vehicles systems communicate on a single bus. Replacing a brake light bulb with a bulb with a different wattage could cause a vehicle to not start. Students need to be knowledgeable in use of these types of scan tools to be able to perform even the simplest tasks.

5. What student learning or other outcomes are expected?  Is it important to the achievement of student goals?
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6. How will these outcomes be measured for future planning?  What data or evidence supports your request?
Students are required to show competence in the use of equipment both on manipulative and written tests.

Additional Justification for this item:
The technology that is used on today’s vehicles is more advanced than the fighter jets that were used in the Vietnam War. Everything from tire pressure to emission controls is monitored. Since 2008 all vehicles use a Computer Area Network (CAN) where all vehicle systems communicate on a single communication bus. Beginning with model year 2012 all vehicles will have to have active stability control. Without staying current with the technology the student will not be prepared to enter the technical workforce.
Technology Requests
Part II : Hardware for Lab and Classroom
Auto-2010

I. Technology Requests-Hardware for Lab and Classroom or other student use
This section will be filled out by faculty and reviewed by the Department Chair, the Area
Dean, the Technology Committee, IPC and Budget.

<table>
<thead>
<tr>
<th>Priority</th>
<th>To Support:</th>
<th>Category</th>
<th>Discipline Area</th>
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<tbody>
<tr>
<td>01</td>
<td>22 Classes</td>
<td>Other</td>
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Description and part number for ordering:
College of Marin Base Unit OptiPlex 960

<table>
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<tr>
<th>Qty.</th>
<th>Unit Cost:</th>
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</table>

Type: College-wide
Discipline-Specific

If this is an upgrade or replacement, please briefly describe your existing equipment in terms of age and capability or lack thereof:
Both computers to be replaced are at least 15 years old. They are used everyday by students all day long.

Item to be shared with the following Department/Program: (Include any shared expenses)
none

Justification for Item (See Rating Rubric)
1. Indicate how important this item is to the life of your discipline.
   • ‘A’ means that your discipline cannot teach your course(s) without the requested equipment.
   • ‘B’ means that your course(s) would be greatly enhanced with the requested equipment.
   • ‘C’ means that you would like this piece of equipment for your course(s) but can wait for a future academic year.
In addition, how many times have you requested this item, but you have not received it?
"A"

These computers were funded through the modernization project for the Transportation Technologies Complex. I was told that I did not have to prioritize my list of equipment if I stayed under the allocated dollar amount. They ordered from the top of the list working down until 85% of the budget was spent. They would order the last 15% after the first group was received in case there were any unexpected expenses. After everything was received they cut the last 15%. Had I known this I would have prioritized the equipment as this is a very important tool.

2. Is this hardware required to meet Title 5 and/or Ed Code? If so, how? (Cite code)
   Is this equipment required to meet any local, state or federal Health and Safety Code? If so, how? (Cite code)
   no

3. How will the quality of instruction be improved for student learning and success? Is it necessary for students to succeed in a series of courses?
   Students need access to Service and Repair Information Data. We use the two systems that are most used by industry. The student need quick reliable internet access to
use these internet base systems.

4. How will access for students be improved? How many students (annually) will benefit from this request? Is it required to accommodate existing students? Would it be vital to attracting new students?

This type of technology will be used by almost every student in every class. Students need to be knowledgeable in use of these systems to be able to perform service and repair tasks to gain the skills necessary for employment.

5. What student learning or other outcomes are expected? Is it important to the achievement of student goals?

One of the Student Learning Outcomes states that a student will be able to demonstrate the use of current technology used in the Automotive Service and Repair Industry. This is the technology used today.

6. How will these outcomes be measured for future planning? What data or evidence supports your request?

Students are required to show competence in the use of equipment both on manipulative and written tests.

Additional Justification for this item:

These computers were funded through the modernization project for the Transportation Technologies Complex. I was told that I did not have to prioritize my list of equipment if I stayed under the al

I. Technology Requests-Hardware for Lab and Classroom or other student use

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<th>Discipline Area</th>
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</thead>
<tbody>
<tr>
<td>02</td>
<td>10 Classes</td>
<td>Other</td>
<td>AUTO</td>
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</tbody>
</table>

Description and part number for ordering:

College of Marin Base Laptop

<table>
<thead>
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<th>Qty.</th>
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Type College-wide

Discipline-Specific

New Open Lab Lab use

If this is an upgrade or replacement, please briefly describe your existing equipment in terms of age and capability or lack thereof:

Additional not replacing any existing laptop

Item to be shared with the following Department/Program: (Include any shared expenses)

Justification for Item (See Rating Rubric)

1. Indicate how important this item is to the life of your discipline.
   • ‘A’ means that your discipline cannot teach your course(s) without the requested equipment.
   • ‘B’ means that your course(s) would be greatly enhanced with the requested equipment.
   • ‘C’ means that you would like this piece of equipment for your course(s) but can wait for a future academic year.

In addition, how many times have you requested this item, but you have not received it?
This laptop was funded through the modernization project for the Transportation Technologies Complex. I was told that I did not have to prioritize my list of equipment if I stayed under the allocated dollar amount. They ordered from the top of the list working down until 85% of the budget was spent. They would order the last 15% after the first group was received in case there were any unexpected expenses. After everything was received they cut the last 15%. Had I known this I would have prioritized the equipment as this is a very important tool. Without learning this new technology our graduates will not be prepared for the job.

2. Is this hardware required to meet Title 5 and/or Ed Code? If so, how? (Cite code)
Is this equipment required to meet any local, state or federal Health and Safety Code? If so, how? (Cite code)

no

3. How will the quality of instruction be improved for student learning and success? Is it necessary for students to succeed in a series of courses?

We have seven "Diagnostic Tool Carts" each cart contains a laptop, scan tool, digital storage oscilloscope, digital multimeter, power probe, and infrared gas analyzer. This enables student to have all the tools needed to learn diagnostic skills. The lab has eight bays this laptop will help to complete the last cart.

4. How will access for students be improved? How many students (annually) will benefit from this request? Is it required to accommodate existing students? Would it be vital to attracting new students?

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5. What student learning or other outcomes are expected? Is it important to the achievement of student goals?

Students are required to show competence in the use of equipment both on manipulative and written tests.

6. How will these outcomes be measured for future planning? What data or evidence supports your request?

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Additional Justification for this item:
This laptop was funded through the modernization project for the Transportation Technologies Complex. I was told that I did not have to prioritize my list of equipment if I stayed under the allocat
1. Please make any comments on the Five Pathways, Student Access and Success, Facilities, Curriculum and SLO sections.

2. Please comment on the instructional equipment requests, technology requests and other instructional materials requests sections. Please comment especially on any specific priorities without which this program cannot function.

3. Please comment on the faculty and staff sections.

4. Please itemize expenses currently covered by external funds that may revert back to general funds.

5. Other comments

This program has been recommended for program revitalization. I support all requests contingent on the approval of a bold revitalization proposal. That proposal should reflect the wishes of the Advisory Board as expressed in the December Advisory Board meeting. The Auto Tech Advisory board has requested that an in-depth analysis of the program be conducted with a report that provides information including the content of each current course, the SLO's of each course and the current certificate requirements. With that information, the Advisory Board members have indicated that they will then be prepared to provide meaningful recommendations for changes to the curriculum and the program. This curriculum overhaul is expected to enable the next step in re-designing certificates, and creating a program that will support greater student success, including greatly improved rates of program completion and overall student success.