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COMPLETE

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Page 1: Please review the following:

Q1

Contact Person:

Name	Keenan Murray
Email Address	keenan.murray@gcccd.edu

Q2

Department:

Engineering

Q3

Title of Request:

Equipment Purchase - Terco MT3037 Universal Testing Machine

Q4

Location of Request:

Cuyamaca

Q5

Type of Request (Select one):

Equipment: Tangible property with a purchase price of at least \$200 and a useful life of more than one year. Technology related items such as hotspots, computers, tablets should be requested through the College Technology Committee

Q6

Description of Request: Please provide a description of the supplies, equipment, furniture or other request. When making your request, please be as specific as possible and include information such as make, model, manufacturer, color, quantity, etc.

We want to purchase a Terco MT3037 Universal Testing Machine for our material science lab. The instructor for the course has requested the equipment.

Q7

Estimated Cost:

\$20,773

Q8

Please attach quote, if available

Terco_MT3037.pdf (112.9KB)

Q9

Total Cost of Ownership: Your requested item may incur ongoing expenses. What are the ongoing expenses associated with your request? If there are ongoing expenses, please detail how you plan to support these costs with your existing budget by completing the text boxes below.

Initial Cost of Item	\$20,773
Service Agreements/Warranties	\$0 - 2 year warranty included
Maintenance	\$200
Other	There will be a shipping cost
Total	\$20,973
Amount available in department budget to support this request Smarkey:	1455801 - \$0
Remaining requested amount	\$20,973

Q10

Justification of Request: The justification of the request is a key area to focus on. The ROC encourages you to strengthen your request by providing a robust rationale detailing all relevant criteria. When writing the rationale, keep in mind that those reviewing the justification may not be familiar with your department and needs. Providing detailed information and context can help clarify the need for your request. Please select the applicable criteria(s) and provide the details of how the criteria(s) relate to your request.

Critical need,

Program expansion,

Impact on student success and access,

Provided details::

Dr. Mo, our material science lab instructor, has requested the Terco MT3037 Universal Testing Machine to improve the quality of our new material science lab and ensure articulation of our lab with SDSU. Dr. Mo has been teaching engineering in the SD area for decades and helped develop the SDSU material science lab, hence his recommendation is highly valued. Dr. Mo is concerned SDSU may drop our material science lab articulation because our current universal testing machines are not able to reproduce the labs completed at SDSU. Hence, Dr. Mo is requesting we purchase the same universal testing machine that SDSU uses. I will additionally note that we are the only community college in SD that offers the material science lab. In fact, Dr. Mo has been encouraging students from his material science lecture at Mesa College to enroll in our lab because Mesa College does not have the lab! Our lab is the only community college access for engineering transfer students in SD.

Q11

Program Goal: Please identify the program goal(s), as stated in your current annual or comprehensive program review, that this request would help your program achieve. Provide a brief explanation of how it would do so.

Goal 1: Increase student success in sophomore-level engineering courses through increased support for ENGR 100 and all other lab classes

Our material science lab is currently the only community college lab that is articulated with the SDSU material science lab. We want to ensure we maintain the articulation to promote the success and transfer of our engineering students.
