

## Assembly Bill #48: Society of Automotive Engineers Baja

### Application Title

Society of Automotive Engineering Baja

### Short Summary

Each year, the Society of Automotive Engineers sponsors a series of competitions called SAE Baja. These competitions simulate a real-world engineering design project. Engineering students are tasked with the design and building of an off-road vehicle to survive a variety of tests including acceleration, braking, maneuverability, and a four hour endurance race. The objective is to provide students with a challenging engineering project involving design, planning, manufacturing and development tasks related to introducing a new product to the consumer market.

### Requested Amount

\$2,000

## Application Team

### Applicant

Name	E-Mail	Phone	Agree to Rules
Roger Carter IV	rccarter@asu.edu	On file	Yes

### Sponsor

Name	E-Mail	Phone
Ryan Polansky	ryan.polansky@asu.edu	On file

## Organization Information

### 1.1 Select your organization or choose other. \*

Society of Automotive Engineers (SAE) at The Polytechnic Campus

### 2 Is your organization registered with the SORC?

Yes

## Event Information

### 1 Event Start Date \*

05/26/2011

### 2 Event End Date \*

05/29/2011

### 3 Event Participants \*

Grad Students, Faculty, and Undergrads from the College of Innovation and Technology's Manufacturing and Mechanical Engineering Technology Program. ASU and department Alumni

## Budget Justification

### 1.1 Description and vendor \*

2X EZ Up Tents. This will be used for promoting ASU as well as working on the vehicle. These 2x tents will be used as the pit and promotional area

**1.2 Total Cost \***

\$500.00

**1.3 Amount Requested \***

\$500.00

**2.1 Description and vendor**

2x Craftsman Tool boxes. These will be used to fix and improve the Baja vehicle during the the event.

**2.2 Total Cost**

\$150.00

**2.3 Amount Requested**

\$150.00

**3.1 Description and vendor**

1x Electric Impact Gun. This will be used to quickly fasten wills to the vehicle, as well as remove stretched, over torqued bolts.

**3.2 Total Cost**

\$120.00

**3.4 Amount Requested**

\$120.00

**4.1 Description and vendor**

200 pc. Mechanics Tool Set. These tools will be needed to make adjustments to the vehicle during the event.

**4.2 Total Cost**

\$150.00

**4.3 Amount Requested**

\$150.00

**5.1 Description and vendor**

2x Pop up tables from Sears. These will be used to hand out promotional information, sell T-shirts, along with being used for maintenance.

**5.2 Total Cost**

\$140.00

**5.3 Amount Requested**

\$140.00

**6.1 Description and vendor**

4 days of food and travel expenses. This would be used for supplying food to FSAE Baja team along with covering hotel, gas, and parking fees.

**6.2 Total Cost**

\$600.00

**6.3 Amount Requested**

\$600.00

**7.1 Description and vendor**

1x Air Compressor. Will be used to operate any pneumatic equipment along with inflating tires at the track where electricity is not available.

**7.2 Total Cost**

\$100.00

**7.3 Amount Requested**

\$100.00

**8.1 Description and vendor**

ASU Polytechnic Campus Team Shirts. These will be used as promotional items for the team, school and sponsor

**8.2 Total Cost**

\$240.00

**8.3 Amount Requested**

\$240.00

**9 Total Cost of Event \***

\$2,000.00

**10 Total Requested from GPSA \***

\$2,000.00

**11 Matching Funds**

The CTI College has donated \$6,000 to this program. The students themselves have raised over \$7,500 in funds from local and national sponsors. These funds have been materials, equipment, and monetary donations.