

Proposed Purchases

Bed Fund 2021 – 2022

Grace Ma, Head Manager

Shayna Robertson, Discipline Coordinator

Jordan Rohn, Marketing Coordinator



Overview of this Year



**All 9 Disciplines + General have
Submitted a Proposed Budget**

**Each club is suggesting
purchases over 80% or more of
their total budget**

**Rollover is being used by FOUR
disciplines**



Electrical & Computer Engineering

Total Purchase Request: \$10209.56

Incoming Budget: \$12805.32

Proposed Purchases

ITEM

PRICE

32 GB 2400MHz DDR4 ECC RAM

\$811.90

KVM Switch

\$1107.39

Weather Balloon 1500g

\$204.56

Near Space Parachute 1.5m

\$191.78

Camera

\$357.98

Weather Balloon Inflator

\$127.85

Bench-Top Power Supply

\$1403.01

Digital Oscilloscope

\$6005.09



Chemical Engineering

Total Purchase Request: \$12,196.52

Incoming Budget: \$9180.00

Rollover: \$10,801.67

Proposed Purchases

ITEM

PRICE

Balance for B22 Lab

\$6775.14

Portable Computer for Air Quality Experiment

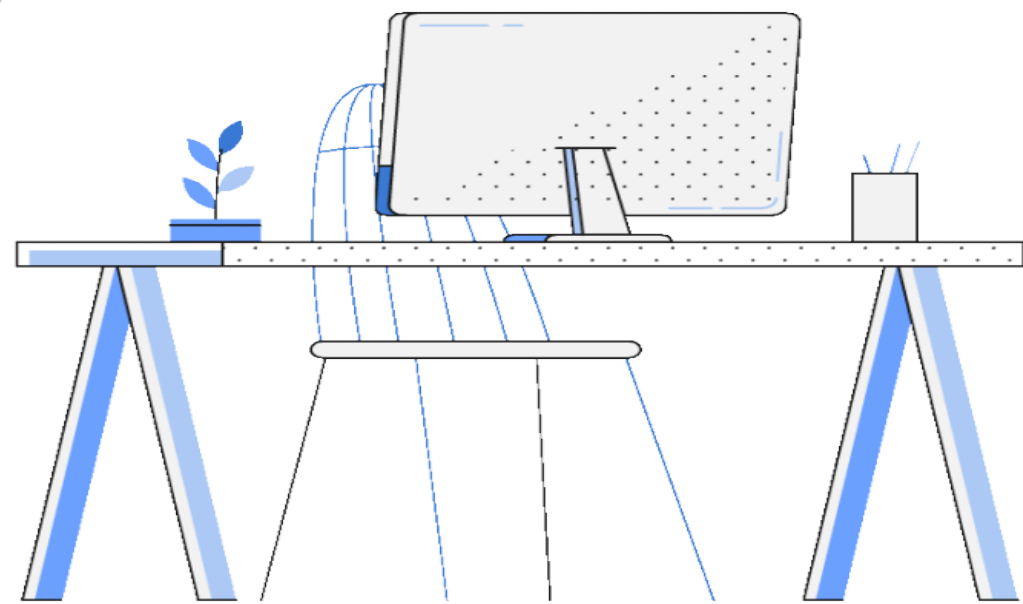
\$1308.52

Pressure Transmitter with Calibration for
Process Control Experiments

\$2639.59

Overhead Stirrer with Assembly for Ion
Exchange Experiment

\$1473.27



General Engineering

Total Purchase Request: \$4615.93
Incoming Budget: \$48,020.06

Proposed Purchases

ITEM

PRICE

Whiteboard

\$2255.24

VR Headsets

\$1556.01

Oscilloscope Probes

\$234.38

Adaptors (USB C to USB B, USB C to HDMI)

\$570.30



First Year Engineering

Total Purchase Request: \$20 908
Incoking Budget: \$46 095

Proposed Purchases

ITEM

PRICE

APSC 100 EQUIPMENT:

200 Hand Drills

\$3400

200 Hand Saws

\$6000

200 High quality wire cutters

\$8000

20 Replacement Arduinos

\$1640

200 Arduino Sensors

\$1000

Space School Equipment:

Eagle Flight Computer

\$383

StratoTrack APRS Transmitter

\$409

Audio Beacon

\$38

Camera Mount

\$19

Flight Train Kit

\$19



Mechanical Engineering

Total Purchase Request: \$23893.10

Incoming Budget: \$26700.00

Proposed Purchases

ITEM	PRICE
Light Board	\$12 904.55
25 PLA Filament	\$1186.57
10 PVA Filament	\$1047.75
3 Ender 5 3D Printer	\$3046.78
BCN3D Sigma D25 3D Printer	\$5707.45



Mining Engineering

Total Purchase Request: \$3637.38
Incoming Budget: \$3750.00

Proposed Purchases

ITEM

PRICE

4 Oculus Quest 2 – 256 GB
9 Arduino Starter Pack

\$2516.00
\$1121.38



Applied Mathematics and Engineering

Total Purchase Request: \$ 11,670.00

Incoming Budget: \$11460.00

Rollover: \$10493.00

Proposed Purchases

ITEM

PRICE

Textbooks

\$3673.17

HP Laserjet Printer

\$2514.25

Lab Kits for Systems and Robotics Students

\$900.00

Coffee Machine and Accessories

\$350.00

White Board Markers for Jeffery Hall

\$113.00

3 Apple iPad Pros

\$3389.97

4 USB-C Digital Multiport Adapter for HDMI

\$99.40

3 Apple Pencils

\$572.91

3 iPad Cases

\$57.30



Civil Engineering

Total Purchase Request: \$ 13,543

IncomingBudget: \$13215.00

Rollover: \$13382.73

Proposed Purchases

ITEM

PRICE

3 Pi Gauges

\$1328.88

3 DAQ Cabinets

\$2287.81

2 Liquid Limit Apparatus

\$901.74

16 Evaporating Dishes

\$325.44

8 Mortar and Pestle

\$171.76

8 Soil Pestle

\$153.68

#40 Sieve

\$77.97

Ground Water Flow Model

\$1584.26

Analytical Balance

\$2066.16

Concrete Scale

\$2224.55

6 50mm LPs

\$2420.46



Engineering Physics

Total Purchase Request: \$ 12,109
Incoming Budget: \$12030.00
Rollover: \$10929.00

Proposed Purchases

ITEM	PRICE
48 Test Lead and Probe Kit + BNC Oscilloscope x1/x10 Probes (2pk)	\$ 2397.95
5 Tektronix Oscilloscope TBS1102C	\$ 8140.86
VIZ-PRO Magnetic Dry Erase Board/Whiteboard	\$ 225.89
VIZ-PRO Double-Sided Magnetic Mobile Whiteboard	\$ 338.89
2 Expo Whiteboard Erase Markers 4 Pack	\$ 16.70
Expo Whiteboard Eraser	\$ 11.29
5 TEC-40-36-127 Peltier Cooler Module	\$ 189.73
10 ASIC	\$ 314.70
25 Arduinos	\$ 896.37
Drill and Driver Kit and Tool Bag	\$ 117.52
Klein IR5 Infrared Camera	\$ 99.55
Round Electromagnet Flat-Faced	\$341.23



Geological Engineering

Total Purchase Request: \$2931.36

Incoming Budget: \$3525.00

Proposed Purchases

ITEM

PRICE

2 LG Monitor

\$613.34

2 iCan Monitor mount

\$173.13

2 Extension cord

\$76.82

Textbooks

1 Mineralogy and Optical Mineralogy

\$296.86

1 Principles of Igneous and Metamorphic
Petrology

\$176.27

1 Intro to Optical Mineralogy

\$197.69

Meteorites

1 Primitive achondrite

\$225.03

1 Carbonaceous chondrite

\$504.33

1 Mesosiderite

\$462.47

1 Lunar breccia

\$203.42



Thank you!

Question Period