

BlueStamp Engineering Student Bill of Materials (BOM)

Please fill this out for all parts that will be required for your project.

If you cannot find information, move on and ask your instructor when emailing this to them.

Item #	Description	Vendor	Part Number	Qty	Cost	Link to Where to Purchase
1	3D Parts	N/A	N/A	1	N/A	https://howtomechatronics.com/tutorials/arduino/diy-arduino-robot-arm-with-smartphone-control/
2	Arduino Uno R3	Amazon	B008GRTSV6	1	\$17.90	https://www.amazon.com/Arduino-A000066-ARDUINO-UNO-R3/dp/B008GRTSV6
3	5V 2A DC Power Supply	Amazon	B00GUO5WUI	1	\$7.99	https://www.amazon.com/IMBAPrice-Adapter-Listed-Supply-5-Fee/dp/B00GUO5WUI/ref=sas_li_ss_tf?ie=UTF8&qid=1533394229&sr=8-3&keywords=DC+5V+power&linkCode=sli1&tag=howto045-20&linkId=b241c68f60eb10e244ed6ea9f08c9acf
4	SG90 Servos	Amazon	B07F2XDZZ7	1	\$20	https://www.amazon.com/dp/B07F2XDZZ7/ref=psdc_2234131011_t1_B0716V3WNH?th=1
5	M3 Lock Nuts	Amazon	B075ZZW7VL	1	\$8	https://www.amazon.com/100Pcs-Stainless-Self-Lock-Inserted-Clinching/dp/B075ZZW7VL/ref=sr_1_4?keywords=M3+nut&qid=1558066194&s=gateway&sr=8-4
6	M3x20 Screws	GetFPV	2872	1	\$6.99	https://www.getfpv.com/m3x20-button-head-titanium-screws-10pcs.html?utm_source=google&utm_medium=cpc&adpos=1o2&scid=scp2872&sc_lid=2872&gclid=EAlaQobChMik_130lth4gIVR-1Rh3oxAS9EAQYAABEgK_I_D_BwE
7	MG996R Servos	Amazon	B07F7YZW7Q	1	\$23	https://www.amazon.com/dp/B07F7YZW7Q/ref=psdc_2234131011_t1_B0716V3WNH?th=1
8	Samsung 32GB Micro SD Card	Amazon	B06XWN9Q99	1	\$8	https://www.amazon.com/Samsung-MicroSD-Adapter-MB-ME32GA-AM/dp/B06XWN9Q99/ref=dp_ob_title_ca
9	RPI Camera	Amazon	B01ER2SKFS	1	\$29	https://www.amazon.com/Raspberry-Pi-Camera-Module-Megapixel/dp/B01ER2SKFS/ref=sr_1_3?keywords=raspberrypi+camera&qid=1558149527&s=gateway&sr=8-3
10	RPI Canakit	Amazon	B07BC7BMHY	1	\$54.99	https://www.amazon.com/Canakit-Raspberry-Premium-Clear-Supply/dp/B07BC7BMHY/ref=sr_1_4?crid=ZMDXQECQVR5PGZ&keywords=raspberrypi+3+b%2B&qid=1558149270&s=electronics&prefix=ras%2Celectronics%2C235&sr=1-4
11	Google Coral USB Accelerator	Sparkfun	DEV-15317	1	\$74.95	https://www.sparkfun.com/products/15317
12	Adafruit Flex Cable for Raspberry Pi Camera - 1 meter	Amazon	B01BQUSQNU	1	\$6.98	https://www.amazon.com/Adafruit-Flex-Cable-Raspberry-Camera/dp/B01BQUSQNU/ref=pd_day0_hi_147_2/139-6500267-8329221?_encoding=UTF8&pd_rd_i=B01BQUSQNU&pd_rd_r=e966a111-9d37-11e9-8620-e795d73e6515&pd_rd_w=G23pl&pd_rd_wg=aNIZ4&pf_rd_p=ad07871c-e646-4161-82c7-5ed0d4c85b07&pf_rd_r=K6ZTMR5DP01YBF
13	M2 Male Female Brass Spacer Standoff Screw Nut Assortment	Amazon	B01N1IUTVT	1	\$9.99	https://www.amazon.com/HVAZI-270pcs-Female-Standoff-Assortment/dp/B01N1IUTVT/ref=sr_1_12?crid=3G1WPIKVV0Q1&keywords=brass+standoffs&qid=1562945376&s=hi&srefix=brass+stand%2Ctools%2C177&sr=1-12
14	uxcell 6.69" x 5.12" x 2.95"	Amazon	B07BFBQFT6	1	\$34.39	https://www.amazon.com/dp/B07BFBQFT6/ref=psdc_495308_t2_B07G95V7YC?th=1#customerReviews
15	LoveRPi Performance Heatsink Set	Amazon	B018BGRDVS	1	\$4.99	https://www.amazon.com/LoveRPi-Performance-Heatsink-Raspberry-Heatsinks/dp/B018BGRDVS
16	60mm Fan 12V DC Brushless Quiet Cooling	Amazon	B07GX86CJN	1	\$10	https://www.amazon.com/dp/B07GX86CJN/ref=twister_B07P3BLGNM?_encoding=UTF8&psc=1
17	12volt Power Supply	Amazon	B00FEOB4EI	1	\$13.49	https://www.amazon.com/R-Tech-UL-Listed-Switching-Supply-Adapter/dp/B00FEOB4EI/ref=sr_1_7?gclid=EAlaQobChMlyPmAq9G84wIVv5kCh023QlgEAAAYASAAEqIFavD_BwE&hvadid=174245143091&hvdev=c&hvlccphy=9031971&hynetw=g&hvpas=111&hvyqm=e&hvrnd=13361360269686411366&hvtagid=kwd-37217106&hydadcr=24656_964