



**Undergraduate Engineering Student Endowment Laboratory Fund: WESEL**

**Equipment Funded:**

<u>Year</u>	<u>DEPT</u>	<u>Location</u>	<u>Equipment</u>	<u>WESEL</u>	<u>Dept</u>	<u>Faculty</u>	<u>Total</u>	<u>WESEL / Yr</u> <u>Total</u>
2012/13	MME	SEB 1076	Marcel Boilers	\$13,491	\$13,491		\$26,982	\$13,491
2013/14	CBE	SEB 1081	Filter Press	\$8,500	\$17,513	\$8,500	\$34,513	
	CEE	SEB 22	Quantum Datalogger	\$7,000	\$10,720	\$7,000	\$24,720	\$15,500
2014/15	CBE	SEB 1080/81	Particle Size Reduction Mill	\$6,409	\$12,817	\$6,409	\$25,635	
	ECE	SEB 3101	Mechatronics Lab Equipment	\$7,400	\$14,814	\$7,400	\$29,614	\$13,809
			Equipment for particulate operations					
2015/16	CBE	SEB 1080/81	and organic Chemistry.	\$5,023	\$10,046	\$5,023	\$20,092	
	MME	SEB 1076	Pressurization test rigs	\$7,957	\$15,915	\$7,957	\$31,829	\$12,980
2016/17	MME	SEB 1076	Steam Turbine Upgrade	\$5,370	\$10,740	\$5,371	\$21,481	
	ECE	SEB 3099	UHF Antenna (ECE 4432)	\$2,772	\$5,544	\$2,772	\$11,088	\$8,142
			Sedimentation & Fermentation					
2017/18	CBE	SEB 1080/81	Monitoring System	\$14,793	\$29,586	\$14,793	\$59,172	
	ECE	SEB 3099	UHF Antenna (ECE 4432)	\$3,000	\$6,127	\$3,000	\$12,127	
	MME	SEB 3098	Extensometers (Tensile Testing Lab)	\$3,102	\$6,205	\$3,102	\$12,409	\$20,895
2018/19	CBE	SEB 1040	Gas chromatographs (3)	\$13,538	\$27,076	\$13,538	\$54,152	
			Concrete compressive strength testing					
			equipment.	\$5,687	\$11,375	\$5,687	\$22,749	
	MME	SEB 1071	Small Scale laser cutter	\$6,905	\$13,812	\$6,905	\$27,622	\$26,130
2019/20	CBE/MME	SEB 1077	Heat transfer equipment.	\$24,741	\$12,370	\$12,370	\$49,481	
	CEE	SEB 22	Triaxial shear testing equipment.	\$30,000	\$16,985	\$20,955	\$67,940	\$54,741
2020/21	CBE	SEB 1082	Infrared spectrophotometer	\$12,342	\$10,513	\$7,618	\$30,473	
	CBE	SEB 1079	Engineering Coffee Course Equipment	\$2,642	\$5,260	\$2,642	\$10,544	
	MME	SEB 3105	Mechanical Vibration Stations	\$45,016	\$23,508	\$22,973	\$91,497	\$60,000
2021/22	CBE	SEB 1079	Equipment for Engineering Coffee Course	\$2,918	\$1,459	\$1,497	\$5,874	
			Lab instrumentation for in situ					
			monitoring of chemical and biochemical					
			kinetics and conjugation.	\$9,857	\$5,084	\$4,774	\$19,715	
	CBE/MME	SEB 1077	Refrigeration Laboratory Equipment	\$21,732	\$10,866	\$10,866	\$43,464	
	CEE	SEB 19	Analytical Instrumentation for	\$17,283	\$8,642	\$8,641	\$34,566	
			Environmental Engineering Lab					
	ECE	ACEB 3455	Auto Lab W PCB milling machine	\$11,800	\$12,504		\$24,304	
	ECE	SEB 2093	Lab equipment update: PC's	\$3,219	\$3,220		\$6,439	
			Lab equipment update: digital					
			oscilloscopes/multimeters, function					
	ECE	SEB 3107	generators	\$17,115	\$21,128	\$4,012	\$42,255	\$83,924
2022/23	CBE	SEB 1081	Distillation Column Upgrades	\$7,000	\$4,763		\$11,763	
	CBE	SEB 1079	Active Learning Equipment	\$2,603	\$4,268		\$6,871	
	MME	SEB 3100	Liquid Level Control Laboratory	\$33,510	\$16,755	\$16,755	\$67,020	\$43,113
			Upgrade of core facilities in the CBE					
			undergraduate laboratory	\$16,246	\$8,123	\$8,123	\$32,492	
2023/24	CBE	SEB 1082	Data Acquisition Hardware	\$3,280	\$1,640	\$1,640	\$6,560	
	CBE	SEB 1079	Equipment for "Engineering Coffee"	\$1,452	\$726	\$726	\$2,904	
			Concrete Mortar mixers for the					
	CEE	SEB 22	Structures Lab	\$22,734	\$11,367	\$11,367	\$45,468	
	ECE	SEB 3107	Upgrading SEB 3107 lab equipment	\$2,434	\$1,217	\$1,217	\$4,868	
	MME	SEB 3100	Liquid Level Control and Servo	\$47,568	\$23,784	\$23,784	\$95,136	
			Trainers Equipment Laboratory					
	MME	SEB 1074	Pipe Friction/Losses Test Stand	\$31,000	\$15,550	\$15,550	\$62,100	\$124,714
<b>Totals</b>				<b>\$477,439</b>	<b>\$425,513</b>	<b>\$272,967</b>	<b>\$1,175,919</b>	