## **Henry Ford College**

# **Application for Funding through the Technology Investment Fund**

Project Director: Adam L. Cloutier Date: 9/23/2014

Department: Instructional Technology Division: TLSS

- 1. Please describe your project as specifically as possible. Include, but do not limit yourself to, answers to these questions:
  - a. What do you propose to do?

#### Plan:

- 1) To fund technology purchases and installations that will advance the College's Operational Planning process and the recommended Technology Plan.
- 2) To complement potential Perkins equipment funds so that infrastructure work for installation of this equipment can be accomplished.
- b. Why do you propose to do this?

#### Why:

- 1) The technology within rooms T126, 127, 131, 156, 160, 167, 175, 176, 180, 184, 236, 240, 106, M114, 118, 124, F110, 112, 113, H006, and the Media Center is either non-existent or is critically overdue for an upgrade.
- 2) The data projectors in L165 and L215 are old models and present an image that is difficult to view with the lights off.
- 3) Upgrading M104, a room within Math & Science, and a room within Fine Arts or Social Science will allow instructors to record lectures and advance flexible delivery of course content.
- 4) The upgrade of H002 to a Tier 2 classroom, with dual projectors, will assist instructors in visually and interactively presenting course content.
- 5) There are numerous data switches that are over 9 years old, and in desperate need of replacement. Replacing them would improve computer speeds and performance.
- 6) All installations will provide faculty with the tools to better present learning information and reach students.
- 2. How many unique students will be served each academic year (Fall through Summer) by your project? "Unique students" refers to unduplicated headcount. Provide detail (course numbers, titles, and enrollments, for example).

#### This varies by location:

1) Classrooms depend on the classes scheduled within these rooms.

- 2) MTEC rooms depend on clients and classes utilizing rooms.
- 3) Media Center: there are 105 computers, during peak times it is common to see the lab between 75-90% capacity.
- 3. Please provide your project's budget. Address each of the questions, or meet each request, listed below.
  - a. What will be purchased (including model numbers, if appropriate), and what will it cost? Include amounts that are committed from funds other than the Technology Investment Fund, and indicate the source of those other funds.

See attachment.

b. Where will funds for future maintenance needs, consumables, and such come from?

Planned TLSS Technology Budget

c. Attach any support for your budget (quotes, for example) to this application, and indicate here what is attached.

See attachment.

d. Rank your needs so that the Technology Investment Committee will have guidance should only partial funding be available to recommend.

This will be done as a combined effort between the AALC and TIC during the 9/24 and 9/26 meetings.

- 4. Regarding project location and equipment security, please address each of the questions, or meet each request, listed below.
  - a. Describe specifically where items to be purchased will be located or installed. Include room-layout diagrams if appropriate.

See attachment for rooms. Designs have been discussed, and sketched; however, official designs/diagrams from vendors have not been pursued.

b. Indicate the status of any necessary approvals for using the space in which items will be located or installed.

All rooms have gone through the College's Operational Planning process, and the TLSS division has worked with Buildings and Grounds to discuss infrastructure.

- c. Who, specifically, will do the installation?
  - 1) The process for purchasing and bids will need to be followed. Whichever vendor wins the bid will hire a contractor to do the installations.
  - 2) If electrical work cannot be included in the bid/design, the college will likely follow the usual process for electrical work.
  - 3) Data drops: the company that IT Services contracts to install data drops will be pursued for installation of new data drops.

- 4) Equipment security: the vendors will be contracted to do equipment security for the equipment they are installing. All other equipment will likely be secured by BMS.
- d. How will equipment purchases be secured?
  - 1) CPUs will be locked down with a cage.
  - 2) Monitors will be locked down with tape, cable, and pads.
  - 3) Projectors and Document Cameras will be locked down with the usual lockdown mechanisms.
  - 4) LCD TVs will be locked down using special screws, a cable, or a special mount.
  - 5) Cameras will be locked down using the usual lockdown mechanisms.
- 5. How, specifically, will you determine the success or shortcomings of your project?

#### Success:

- 1) Successful installation.
- 2) Staying within Perkins, TIF and TLSS budgets.
- 3) Installation prior to end of FY15.

#### **Shortcomings:**

- 1) If there is not enough funds to complete all projects.
- 2) If installation costs are underestimated.
- 3) If necessary equipment/parts need to be ordered/installed after rooms are built.

Please submit this form and any attachments to the chair of the Technology Investment Committee by the date you have been given. If you are submitting this form electronically, please combine any attachments into a single PDF. (This application form may be submitted as a document separate from the attachments.)

			Prior					
Rooms	Items	Area		Equipment	Data Drop	Electrical	Cabling	Total
	cameras, lockdowns (computer,							
	·		*					
T126	· ·	Industrial Tech	1		\$ \$ 200.00	\$8,000.00	\$560.00	\$ 22,351.45
				, ,		. ,		, ,
			CPU. monitor.					
T127	1, , , , , , , , , , , , , , , , , , ,	Industrial Tech	•	\$ 15.355.00	\$ 400.00	\$5.000.00	\$560.00	\$ 21,315.00
	<u> </u>			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		, , , , , , , ,	,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	' ' '		CPU. monitor.					
T131	· · ·	Industrial Tech		\$ 7,955.0	\$ 200.00	\$4.000.00	\$560.00	\$ 12,715.00
1.22				7 1,00010	7	7 1,000100	700000	7,:::
	' ' '		CPU. monitor.					
T156	'	Industrial Tech	•	\$ 7.955.0	\$ 1.029.00	\$4.000.00	\$560.00	\$ 13,544.00
1.20				7 1,000.0	7 -,0-0100	7 1,000100	700000	7 20,0 11100
T160	amp. speakers, lockdowns, 1 TV	Industrial Tech	CPU. monitor	\$ 5.580.00	\$ 200.00	\$6.000.00	\$560.00	\$ 12,340.00
				, ,,,,,,,,		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	' ' ' '		CPU. monitor. 4					
T167		Industrial Tech	*	\$ 8.370.0	\$ 200.00	\$8.000.00	\$560.00	\$ 17,130.00
				, -,		, -,	,	, , , ,
	1							
T175	1	Industrial Tech	0	\$ 36,880.00	) \$ -	\$5,000.00	\$560.00	\$ 42,440.00
	25 CPUs, 25 monitors,				Ţ,			
T176	lockdowns	Industrial Tech	0	\$ 41,920.00	\$ -	\$6,000.00	\$560.00	\$ 48,480.00
					,	. ,		,
	1							
T180	lockdowns	Industrial Tech	0	\$ 8,120.0	) \$ -	\$7,000.00	\$560.00	\$ 15,680.00
	projector, elmo, switcher,			,	Ţ.	. ,		,
T184	' ' '	Industrial Tech	0	\$ 12,720.00	) \$ -	\$8,000.00	\$560.00	\$ 21,280.00
						. ,		
	screen, amp, speakers,							
T236	' ' '	Industrial Tech	0	\$ 17,520.00	\$ 200.00	\$8,000.00	\$560.00	\$ 26,280.00
	21 CPUs, 21 monitors,			,	1			,
	· ·							
	1							
T240	speakers, lockdowns	Industrial Tech	0	\$ 34,580.00	\$ -	\$4,000.00	\$560.00	\$ 39,140.00
	T126  T127  T131  T156  T160  T167  T175  T176  T180  T184  T236	cameras, lockdowns (computer, Elmo, cameras) switcher, amp, speakers, cameras, elmo, lockdowns (computer, Elmo, cameras) switcher, amp, speakers, projector, elmo, lockdowns (computer, Elmo, TV), switcher, amp, speakers, projector, elmo, lockdowns (computer, Elmo), switcher, amp, speakers, projector, elmo, lockdowns (computer, Elmo), switcher, amp, speakers,  T160 amp, speakers, lockdowns, 1 TV projector, elmo, lockdowns (computer, Elmo, TV) switcher, amp, speakers  21 CPUs, 21 monitors, lockdowns, projector, elmo, screen, amp, speakers, lockdowns, projector, elmo, screen, amp, speakers, lockdowns projector, elmo, screen, amp, speakers, lockdowns  T176 lockdowns  T176 lockdowns  projector, elmo, switcher, screen, amp, speakers, lockdowns  projector, elmo, switcher, screen, amp, speakers, lockdowns, 2 TVs  projector, elmo, switcher, screen, amp, speakers, lockdowns, 4 TVs  T180 lockdowns, 4 TVs  T181 lockdowns, projector, elmo, screen, switcher, screen, switcher, screen, amp, speakers, lockdowns, projector, elmo, screen, switcher, amp,	cameras, lockdowns (computer, Elmo, cameras) switcher, amp, speakers, Industrial Tech cameras, elmo, lockdowns (computer, Elmo, cameras) switcher, amp, speakers, Industrial Tech projector, elmo, lockdowns (computer, Elmo, TV), switcher, amp, speakers, Industrial Tech projector, elmo, lockdowns (computer, Elmo, Iockdowns (computer, Elmo), switcher, amp, speakers, Industrial Tech projector, elmo, lockdowns (computer, Elmo, TV) switcher, amp, speakers, lockdowns (computer, Elmo, TV) switcher, amp, speakers Industrial Tech projector, elmo, lockdowns (computer, Elmo, TV) switcher, amp, speakers Industrial Tech 21 CPUs, 21 monitors, lockdowns, projector, elmo, screen, amp, speakers, lockdowns Industrial Tech projector, elmo, screen, amp, speakers, lockdowns Industrial Tech projector, elmo, switcher, screen, amp, speakers, lockdowns Industrial Tech projector, elmo, switcher, screen, amp, speakers, lockdowns, 2 TVs Industrial Tech projector, elmo, switcher, screen, amp, speakers, lockdowns, 2 TVs Industrial Tech projector, elmo, switcher, screen, amp, speakers, lockdowns, 4 TVs Industrial Tech projector, elmo, switcher, screen, amp, speakers, lockdowns, projector, elmo, screen, switcher, screen, switcher, amp,	cameras, lockdowns (computer, Elmo, cameras) switcher, amp, speakers,  cameras, elmo, lockdowns (computer, Elmo, cameras) switcher, amp, speakers,  T127   Switcher, amp, speakers,   Industrial Tech   CPU, monitor, projector, 2 TVs    projector, elmo, lockdowns (computer, Elmo, TV), switcher, amp, speakers,   Industrial Tech   Projector, 2 TVs    projector, elmo, lockdowns (computer, Elmo, TV), switcher, amp, speakers,   Industrial Tech   Projector, 1 TV    projector, elmo, lockdowns (computer, Elmo), switcher, amp, speakers,   Industrial Tech   Projector, 1 TV    T160   amp, speakers, lockdowns, 1 TV   Industrial Tech   CPU, monitor, projector, elmo, lockdowns (computer, Elmo, TV) switcher, amp, speakers   Industrial Tech   TVs    T167   amp, speakers   Industrial Tech   TVs    T168   21 CPUs, 21 monitors,   Industrial Tech   Ochows, projector, elmo, screen, amp, speakers,   Industrial Tech   Ochows, projector, elmo, screen, amp, speakers,   Industrial Tech   Ochows, projector, elmo, switcher, screen, amp, speakers,   Industrial Tech   Ochows, projector, elmo, switcher, screen, amp, speakers,   Industrial Tech   Ochows, projector, elmo, switcher, screen, amp, speakers,   Industrial Tech   Ochows, 2 TVs   Ochows, 2 TVs	Rooms Items	Rooms Items	Rooms   Items   Area   Investment?   Equipment   Data Drop   Electrical	Rooms   Items

Technology										
Plan	T106	Install additional TV monitor	Industrial Tech	0	\$ 4,800.00	\$	-			\$ 4,800.00
Technology										
Plan	L165	Data Projector		0	\$ 1,320.00	\$	-	\$ -	\$ -	\$ 1,320.00
Technology										
Plan	L215	Data Projector		0	\$ 1,320.00	\$	-	\$ -	\$ -	\$ 1,320.00
Technology										
Plan	varies	Blanket Order	TLSS	0	\$ 5,000.00	\$	-	\$ -	\$ -	\$ 5,000.00
Technology			Workforce							
Plan	M104	Tier 1	Development	0	\$ 8,650.00	\$	-	\$4,000.00	\$560.00	\$ 13,210.00
Technology										
Plan	room?	Tier 1	Math & Science	0	\$ 8,650.00	\$	-	\$4,000.00	\$560.00	\$ 13,210.00
Technology			Fine Arts Social							
Plan	room?	Tier 1	Science - HPE?	0	\$ 8,650.00	\$	-	\$4,000.00	\$560.00	\$ 13,210.00
Technology		Tier 2 - with dual projectors,								
Plan	H002	computer, starboard	Math & Science	0	\$ 9,070.00	\$ 200	.00	\$4,000.00	\$560.00	\$ 13,830.00
		Tier 3 & update 22 computers								
Technology		(Core i7-2600 CPU @	Workforce							
Plan	M114	3.40GHz/4gb ram)	Development	0	\$ 33,750.00	\$ 200	.00	\$4,000.00	\$560.00	\$ 38,510.00
		Tier 3 & update 20 computers								
Technology		(Pentium D CPU 3.20GHz/1GB	Workforce							
Plan	M118	ram)	Development	0	\$ 31,640.00	\$ 200	.00	\$4,000.00	\$560.00	\$ 36,400.00
		Tier 3 & update 22 computers								
Technology		(Pentium 4 CPU 3.20GHz/2GB	Workforce							
Plan	M124	ram)	Development	0	\$ 33,750.00	\$ 200	.00	\$4,000.00	\$560.00	\$ 38,510.00
Technology			Fine Arts Social							
Plan	F110	Tier 3	Science	0	\$ 10,540.00	\$ 200	.00	\$4,000.00	\$560.00	\$ 15,300.00
Technology			Fine Arts Social							
Plan	F112	Tier 3	Science	0	\$ 10,540.00	\$ 200	.00	\$4,000.00	\$560.00	\$ 15,300.00
Technology			Fine Arts Social							
Plan	F113	Tier 3	Science	0	\$ 10,540.00	\$ 200	.00	\$4,000.00	\$560.00	\$ 15,300.00
Technology										
Plan	H006	Tier 3		0	\$ 10,540.00	\$ 200	.00	\$4,000.00	\$560.00	\$ 15,300.00
Technology		Computer Lab data switches								
Plan	Varies	(20)	Varies	0	\$ 180,000.00	\$	-	\$ -	\$ -	\$ 180,000.00
Technology										
Plan	Library	34 computers	Media Center	0	\$ 36,210.00	\$	-	\$ -	\$ -	\$ 36,210.00
Technology			Communications							
Plan	rooms?	60 computers - 2 computer labs	(English)		\$ 200,000.00	new		new	new	\$ 200,000.00

### Budgeting ...

Total Amount	\$ 949,425.45
TLSS Technology Budget:	\$ (228,514.00)
Perkins Amount Hopefully Approved:	\$ (184,254.00)
TIF Amount Hopefully Approved:	\$ (68,870.00)
Amount Still Needed:	\$ 467,787.45
Perkins Equipment Total For Above Rooms	\$ 215,346.45

### Additional detail:

Equipment		Costs	T-126	T-127	T-131	T-156	T-160	T-167	T-175	T-176	T-180	T-184	T-236	T-240	Total
Monitor	\$	110.00	Perkins Round 4	Perkins Round 4	Perkins Round 4	Perkins Round 4	Perkins Round 4	Perkins Round 4	21	25	0	0	0	21	67
Monitor lockdown w/ existing cables	\$	10.00	1	1	1	1	0	0	0	0	0	0	0	0	4
СРИ	\$	920.00	Perkins Round 4	Perkins Round 4	Perkins Round 4	Perkins Round 4	Perkins Round 4	Perkins Round 4	21	25	0	0	0	21	67
CUP lockdown and monitor lockdown kit	\$	250.00	1	0	0	0	1	1	21	25	0	0	0	21	70
lockdown adjustment	\$	25.00	0	1	1	1	0	0	0	0	0	0	0	0	3
Projector & Bulb	\$	1,320.00	Perkins Round 4	Perkins Round 4	1	1	0	1	1	1	1	1	1	1	9
Projector Lockdown, ceiling plate, extension	\$	130.00	Perkins Round 4	Perkins Round 4	1	1	0	1	1	1	1	1	1	1	9
Elmo Document Camera	\$	2,050.00	Perkins Round 4	1	1	1	0	1	1	1	1	1	1	1	10
Document Camera Lockdown	\$	190.00	1	1	1	1	0	1	1	1	1	1	1	1	11
Switcher, Wall Bracket, Wall Plate, Media	\$	800.00	1	1	1	1	0	1	1	1	1	1	1	1	11
Screen	\$	400.00	1	1	1	1	0	1	1	1	1	1	1	1	11
Distribution Amp	\$	400.00	1	1	1	1	1	1	1	1	1	1	1	1	12
Speakers (order of 4)	\$	400.00	1	1	0.5	0.5	0.5	1	1	1	1	1	1.5	1	11
LCD Monitors	\$	2,300.00	Q-4 Perkins Round 4	Q-2 Perkins Round 4	Q-1 Perkins Round 4	0	1	Q-4 Perkins Round 4	1	1	0	2	4	0	9
Cameras/Lecture Capture	\$	8,650.00	1	1	0	0	0	0	0	0	0	0	0	0	2
Lockdowns - Camera + Components on Desk	\$	61.45	1	0	0	0	0	0	0	0	0	0	0	0	1
AV Inxstallation	labo	or	\$ 2,430.00	\$ 2,430.00	\$ 2,430.00	\$ 2,430.00	\$ 2,430.00	\$ 2,430.00	\$ 2,430.00	\$ 2,430.00	\$ 2,430.00	\$ 2,430.00	\$ 2,430.00	\$ 2,430.00	\$ 29,160.00
Equ	<mark>ui pn</mark>	nent Total	\$ 13,591.45	\$ 15,355.00	\$ 7,955.00	\$ 7,955.00	\$ 5,580.00	\$ 8,370.00	\$ 36,880.00	\$ 41,920.00	\$ 8,120.00	\$ 12,720.00	\$ 17,520.00	\$ 34,580.00	\$ 210,546.45
Notes:			G. Saganski: what type of cameras - stationary or mobile?	G. Saganski: what type of cameras - stationary or mobile?	Computer classroom, CPUs new.	G. Saganski: wants tablets in here & wireless capabilites. Worse case: connect iPad to CPU & upload.	Welding lab, new demo SU14, Saganski says electrical will not be necessary for our AV.	Huge room.	Cascaded comuters? One 60"+TV on wall.	Cascaded comuters? One 60"+ TV on wall.	This is a difficult room. Projector - short throw, low hanging.	Similar to 180, but with 2 TVs on opposite walls.	Very large room. 4 TVs.	No TVs. Just new CPUs, projection, instructor station AV.	Notes
Program			Trade & Apprentice	CNC & Manufact.	CNC & Manufact.	Automotive	Manufacturing Trades (Welding)	CNC & Manufact.	Trade & Apprentice	Trade & Apprentice	Drafting	Drafting	Electrical	Electrical	Program
CIP			47.0101	15.0613	15.0613	47.0604	15.0699	15.0613	Bulding Construction Trades	47.0101	15.1302	15.1302	15.0303	15.0303	CIP
Perkins Indica	tor		3P1	3P1	3P1	3P1	3P1	3P1	3P1	3P1	3P1	3P1	3P1	3P1	Perkins
							o more students								
							udents ability to				-				
How							ontent through p								How
			instruction.			_									

HFCC COSTS (Techno	ology/TIF)	T-126	T-127	T-131	T-156	T-160	T-167	T-175	T-176	T-180	T-184	T-236	T-240	Total
Data Drop	200/each	\$ 200.00	\$ 400.00		\$ 1,029.00				\$ -	\$ -	\$ -	\$ 200.00		\$ 2,429.00
Notes		2nd, new computer: Drop/Comput er next to Programming work station (integrated manu system)	2 drops needed	new instructor station	3502I series wireless access point & new data drop	new instructor station	new instructor station					new instructor station		
Electrical	approx \$\$	\$ 8,000.00	\$ 5,000.00	\$ 4,000.00	\$ 4,000.00	\$ 6,000.00	\$ 8,000.00	\$ 5,000.00	\$ 6,000.00	\$ 7,000.00	\$ 8,000.00	\$ 8,000.00	\$ 4,000.00	\$ 73,000.00
Notes		2 separate sections: main room, cubby room. Cubby needs electricity ~\$3,000. Main floor ~\$5,000	V4000, electrical to TV & cameras	V4000	V4000	G. Saganski said that this cost was already factored into SU14 demo/build, but just in case.	V4000, electrical to TVs	new V4000, electrical to one big 60"+ TV	new V4000, same as 175 but more electrical	This is a very complicated room. Lights are very low. Overestimate	new V4000, electrical to TVs	new V4000, electrical to TVs	V4000	
Cables	560/each	\$ 560.00	\$ 560.00	\$ 560.00	\$ 560.00	\$ 560.00	\$ 560.00	\$ 560.00	\$ 560.00	\$ 560.00	\$ 560.00	\$ 560.00		\$ 6,720.00
													Total	\$ 82,149.00
Furniture		T-126	T-127	T-131	T-156	T-160	T-167	T-175	T-176	T-180	T-184	T-236	T-240	Total
Tables					ALL									
Chairs		Cubby area: soft space for students, chairs, couches, etc.												
Instruction Workstation	\$1,100/each	\$ 1,100.00	\$ 1,100.00	\$ 1,100.00	\$ 1,100.00		\$ 1,100.00							\$ 5,500.00
Furn	iture Account	\$ 1,100.00	\$ 1,100.00	\$ 1,100.00	\$ 1,100.00	\$ -	\$ 1,100.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,500.00
Room Tota		T-126	T-127	T-131	T-156	T-160	T-167	T-175	T-176	T-180	T-184	T-236	T-240	Total
		\$ 14,691.45	\$ 16,455.00	\$ 9,055.00	\$ 9,055.00		\$ 9,470.00	\$ 36,880.00	\$ 41,920.00	\$ 8,120.00	\$ 12,720.00	\$ 17,520.00	\$ 34,580.00	\$ 298,195.45

General Instructor workstation \$1,100 General Computer and Monitor \$1,030 General Projector & Bulb \$1,320 General Document Camera \$2,050 General Projector Screen \$290 General Phone \$280 General Phone \$280 General 4 In-ceiling speakers (+\$250 for 2 add'l speakers) \$375 Parts & Electrical work \$2,500 Labor Parts & Data Drop \$200 Labor Parts & Document Camera Lockdown \$1,000 Parts & Document Camera Lockdown \$1,000 Labor Parts & Document Camera Lockdown \$1,000 Parts & Switcher, Wall Bracket, Wall Plate, Media Controller \$665 Labor Parts & Cables \$560 Labor Parts & Switcher, Wall Bracket, Wall Plate, Media Controller \$665 Labor Data Switch - for computer labs \$9,000 Computer Labs Printer (color +\$200) \$1,400 Chher StarBoard 17" Interactive LCD Display \$1,500 Chther Blu-Ray Disc Player \$1,000 Chther Steelcase Eno Interactive Whiteboard \$1,955 Chther Copycam Insgle Capturing Systemprint \$2,235 Chther Copycam Installation and 2 hours of basic training \$355 Chther Steelcase chair Model 4871110, Finish 6205 \$335 Chther Steelcase chair Model 4871110, Finish 6205 \$330 Chther Computer Upgrade: Lockdown Adjustment \$255 Security Computer Upgrade: Cockdown Adjustment \$255	Category	Upgrades	Cost
GeneralProjector & Bulb\$1,320GeneralDocument Camera\$2,050GeneralProjector Screen\$290GeneralPhone\$280General4 In-ceiling speakers (+\$250 for 2 add'l speakers)\$375Parts & LaborElectrical work\$2,500Parts & LaborAV Installation\$600Parts & LaborData Drop\$200LaborParts & LaborDocument Camera Lockdowns\$190Parts & LaborProjector Lockdown, ceiling plate, extension column\$130Parts & LaborProjector Lockdown, ceiling plate, extension column\$130Parts & LaborSwitcher, Wall Bracket, Wall Plate, Media Controller\$665Parts & Labor\$560Parts & Labor\$560Computer Labs\$560Computer Labs\$9,000Computer Labs\$1,400OtherStarBoard 17" Interactive LCD Display\$1,500OtherSteelcase Eno Interactive Whiteboard\$1,955OtherSteelcase Eno Interactive Whiteboard\$1,955OtherCopycam Installation and 2 hours of basic training\$2,235OtherStealcase chair Model 4871110, Finish 6025\$335OtherSteelcase chair Model 4877110, Finish 6025 (stool)\$490SecurityComputer Upgrade: Lockdown Adjustment\$250OtherComputer Upgrade: Lockdown Adjustment\$250			\$1,100
General Document Camera \$2,050 General Projector Screen \$290 General Phone \$280 General Phone \$280 General 4 In-ceiling speakers (+\$250 for 2 add'l speakers) \$375 Parts & Electrical work \$2,500 Labor Parts & AV Installation \$600 Labor Parts & Data Drop \$200 Labor Parts & Document Camera Lockdowns \$250 Labor Parts & Document Camera Lockdown \$190 Parts & Document Camera Lockdown \$190 Parts & Projector Lockdown, ceiling plate, extension column \$130 Labor Parts & Switcher, Wall Bracket, Wall Plate, Media Controller \$665 Labor Parts & Cables \$560 Computer Labs Printer (color +\$200) \$1,400 Labs Parts & Labor Printer (color +\$200) \$1,400 Labs Computer Blu-Ray Disc Player \$1,000 Other StarBoard 17" Interactive LCD Display \$1,500 Other Blu-Ray Disc Player \$1,000 Other Steelcase Eno Interactive Whiteboard \$1,955 Other Copycam Installation and 2 hours of basic training \$355 Other Copycam Installation and 2 hours of basic training \$355 Other Steelcase chair Model 4871110, Finish 6025 \$335 Other Steelcase chair Model 4877110, Finish 6025 \$335 Other Steelcase chair Model 4877110, Finish 6025 (stool) \$490 Security Computer Upgrade: Lockdown Adjustment \$255 Security Computer Upgrade: Ram, Hard Drive, Monitor \$200	General	Computer and Monitor	\$1,030
GeneralProjector Screen\$290GeneralPhone\$280General4 In-ceiling speakers (+\$250 for 2 add'l speakers)\$375Parts & Electrical work\$2,500LaborLabor\$600Parts & LaborData Drop\$200Parts & LaborNEW Computer Lockdowns\$250Parts & LaborPocument Camera Lockdown\$190Parts & LaborProjector Lockdown, ceiling plate, extension column\$130Parts & LaborSwitcher, Wall Bracket, Wall Plate, Media Controller\$665Parts & Labor\$560Parts & Labor\$560Parts & Labor\$560Computer LabsData Switch – for computer labs\$9,000Computer LabsPrinter (color +\$200)\$1,400OtherStarBoard 17" Interactive LCD Display\$1,500OtherBlu-Ray Disc Player\$100OtherSteelcase Eno Interactive Whiteboard\$1,955OtherCopycam Installation and 2 hours of basic training\$315OtherCopycam Inge Capturing Systemprint\$2,235OtherStealcase chair Model 4871110, Finish 6205\$335OtherSteelcase chair Model 4871110, Finish 6205\$335OtherSteelcase chair Model 4877110, Finish 6025 (stool)\$490SecurityComputer Upgrade: Lockdown Adjustment\$25SecurityComputer Upgrade: Lockdown Adjustment\$25OtherComputer Upgrade: Lockdown Adjustment\$25	General	Projector & Bulb	\$1,320
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Other Computer Upgrade: Ram, Hard Drive, Monitor \$200			
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Lecture Capture Equipment	Cost
Kramer DVI Switch	\$ 239.00
Epiphan Frame Grabber (2 per room)	\$ 769.00
Sure Ceiling mics (2 per room)	\$ 126.00
Sure Wireless mic system	\$ 479.00
Mixer	\$ 241.00
ceiling speakers	\$ 347.00
camera ceiling mounts (2 per room)	\$ 204.00
sony PTZ cameras (2per room)	\$ 2,324.00
ELMO document Camera	\$ 2,045.00
Replacement Projector	\$ 924.00
Replacement Lamp	\$ 256.00
Custom Wall Plate	\$ 106.00
Plenum Cables and Materials	\$ 500.00
Total	\$ 8,560.00