

Isothermal Community College
 Health & Science Building
 Audio Visual Systems Preliminary Costing Exercise

Prepared for:
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Base Scope Probable Cost Notes:

- The installed cost of the Audiovisual systems assumes the use of new professional quality equipment with a minimum of One (1) year manufacturer warranty, that is installed by TSAV and provided with closeout documentation (including as-built systems drawings) and a One (1) Year warranty covering installation.
- Infrastructure, provided by others, to support the AV systems is not included.
- Active network components (ethernet switches, wireless access points, servers, server software, etc. typically provided by the owner but necessary for activation of advanced functional aspects of the av systems) are not provided for in the Probable Cost Estimate.
- Content delivery systems are not provided for (I.e. servers, distributed television signals, content computers, content creation, etc.).
- Content creation services are not included.
- Sales Tax is included.
- Shipping is included.
- SIMULATION EQUIPMENT NOTE:
 - This document includes budget allocations for the typical simulation room and exam room technology systems including cameras, speakers, headwall video displays. NOT INCLUDED in this budget is the software licensing, Peripheral tablet PC's and Control Room PCs.
 - Depending on how ICC decides to procure the simulation equipment, this budget may change significantly. TSAV is prepared to meet with ICC to discuss this at their earliest convenience.

Room Schedule

System Type	Qty
Small Classroom	4
Divisible Large Classroom	1
Huddle	5
Simulation/Control	5
Digital Signage	7
Teaching Lab	2



Phlebotomy	1
Microbiology	1

Cost Breakdown:

Base Scope		Extended System Values				Total (Single)	Total (Extended)
System/Area	Qty	Equipment	Labor	Freight	Sales Tax		
Small Classroom	4	\$122,251.68	\$53,115.92	\$5,281.28	\$8,927.32	\$47,394.05	\$189,576.20
Divisible Large Classroom	1	\$70,616.70	\$30,943.54	\$3,050.64	\$5,156.71	\$109,767.59	\$109,767.59
Huddle	5	\$7,980.80	\$3,505.80	\$344.75	\$582.80	\$2,482.83	\$12,414.15
Simulation/Control	5	\$74,986.30	\$32,580.05	\$3,239.40	\$5,475.80	\$23,256.31	\$116,281.55
Digital Signage	7	\$10,902.36	\$4,736.83	\$470.96	\$796.11	\$2,415.18	\$16,906.26
Teaching Lab	2	\$54,112.74	\$23,510.90	\$2,337.66	\$3,951.52	\$41,956.41	\$83,912.82
Phlebotomy	1	\$26,986.85	\$11,725.23	\$1,165.83	\$1,970.69	\$41,848.60	\$41,848.60
Microbiology	1	\$25,916.09	\$11,260.02	\$1,119.57	\$1,892.50	\$40,188.18	\$40,188.18
	Extended Totals:	\$393,753.52	\$171,378.29	\$17,010.09	\$28,753.45	Grand Total:	\$610,895.35
						Bonding:	\$0.00
						Grand Total + Bonding:	\$610,895.35

System Descriptions:

Small Classroom: This system type includes a presentation system that includes the following devices/functions.

1. Overhead Projection System and Medium Sized Recessed Motorized Projection Screen.
2. Lectern with connectivity for a laptop device (HDMI/USB A/USB C).



3. An audio system is included for program audio (audio associated with the visual presentation).
4. A wireless and wired microphone system is included for speech reinforcement and lecture capture/remote instruction.
5. A control system is included in this space.
6. Owner Provided Equipment.
 - a. Instructor PC.

Base Scope Materials:

<u>Reference</u>	<u>Model: Description</u>	<u>QTY</u>
7TP	7" Touchpanel Controller	1
HDMI WP TX	DM TX 4KZ 100 C 1G W T	1
WRLS MIC TX T1	ULXD1=G50	1
LAV MIC	WL185	1
WRLS MIC RX T1	Single Digital Wireless Receiver with PS41US Power Supply, 1/2 Wave Antenna and Rack Mounting Hardware	1
AV HE T1	3-Series® 4K DigitalMedia™ Presentation System 350	1
AMP T1	70v AMP	1
HDMI RX	DM 8G 4K60 4:4:4 HDR Receiver and Room Controller with Scaler	1
CLG SPKR T1	4" Ceiling Speaker	4
PJ T2	Epson V11HA34920	1
PJ SCRNR	DRAPER 139042U	1
PJ LENS	139042U	1



PJ MNT	PROJECTOR MOUNT	1
LCTRN T2	Spectrum Freedom eLift Lectern	1
GN MIC	MX418 SHURE GOOSENECK MIC	1

Large Classroom: This system type includes a presentation system that includes the following devices/functions.

1. Overhead Projection System and Large Sized Recessed Motorized Projection Screen.
2. Lectern with connectivity for a laptop device (HDMI/USB A/USB C).
3. An audio system is included for program audio (audio associated with the visual presentation).
4. A wireless microphone system is included for speech reinforcement and lecture capture/remote instruction.
5. A control system is included in this space.
6. Owner Provided Equipment.
 - a. Instructor PC.

Base Scope Materials:

<u>Reference</u>	<u>Model: Description</u>	<u>QTY</u>
WRLS MIC TX T1	ULXD1=G50	1
LAV MIC	WL185	1
7TP	7" Touchpanel	1
PC MON T1	24" Desktop PC Monitor	1
AV HE T1	3-Series® 4K DigitalMedia™ Presentation System 350	1
DSP T1	DSP	1



LCTRN T1	XRL FREEDOM ELITE	1
WRLS MIC RX T1	Single Digital Wireless Receiver with PS41US Power Supply, 1/2 Wave Antenna and Rack Mounting Hardware	1
GN MIC	Gooseneck Microphone	1
HDMI DA T1	HDMI DA DM	1
AMP T1	Amplifier	1
HDMI RX	DM 8G 4K60 4:4:4 HDR Receiver and Room Controller with Scaler	1
PJ T2	Epson V11HA34920	1
PJ MNT	PROJECTOR MOUNT	1
PJ SCRN	DRAPER 139042U	1
PJ LENS	139042U	1
CLG SPKR T1	4" Ceiling Speaker	8

Huddle/Debrief Collaboration Room

1. Wall Mounted video display.
2. Wired connectivity (HDMI).
3. Owner Provided Equipment
 - a. PC for access to Debrief Software in Debrief Rooms.

Base Scope Materials:

<u>Reference</u>	<u>Model: Description</u>	<u>QTY</u>
TV55	55" LED Display	1



TV MNT	Display Mount	1
HDMI EXT	HDMI Extension	1

Simulation Room: This system type includes a technology system that includes the following devices/functions.

1. PTZ Camera system (2 cameras).
 - a. Over Bed.
 - b. Headwall.
2. Ceiling mounted Microphone and Speaker System.
3. Wall Mounted Display for Vitals Monitor simulation.
4. Owner Provided Equipment
 - a. Simulation Software, Manakins, Tablet Controllers and other proprietary devices for simulation of medical procedures is considered Owner Provided.

Base Scope Materials:

<u>Reference</u>	<u>Model: Description</u>	<u>QTY</u>
CLG MIC	Ceiling Microphone	1
CLG SPKR	Ceiling Speaker	1
55TV	55" Display	1
TV MNT	Display Mount	1
HDMI EXT	HDMI Extension	1

Simulation Control Room: This system type includes equipment typical of a medical simulation control room including the following.

1. 4K desktop video monitor – Widescreen.
2. Push to talk microphone system.
3. Control Interface.
4. Desktop Audio Monitor and Headphone set.
5. AV Rack.



Base Scope Materials:

<u>Reference</u>	<u>Model: Description</u>	<u>QTY</u>
GN MIC	Gooseneck Microphone	1
DSP	DSP	1
24" MON	24" Desktop Monitor	1
AMP	Amplifier	1
PTT Base	Push to Talk Microphone Base	1
HS	Wired Headset	1
AVR	AV Rack	1
7TP	7" Touchpanel	1

Digital Signage/CATV:

1. This is a wall mounted video display intended for informational purposes or Cable Television.
2. Owner Provided
 - a. Digital Signage Player.
 - b. CATV Feed.

Base Scope Materials:

<u>Reference</u>	<u>Model: Description</u>	<u>QTY</u>
55TV	55" Display	1
TV MNT	Display Mount	1



Teaching Lab: This system type includes a presentation system that includes the following devices/functions.

1. Overhead Projection System and Medium Sized Recessed Motorized Projection Screen.
2. An audio system is included for program audio (audio associated with the visual presentation).
3. A control system is included in this space.
4. A document camera is included.
5. A connection for an HDMI enabled device (microscope) is included.
6. Owner Provided Equipment.
 - a. Instructor PC.

Base Scope Materials:

<u>Reference</u>	<u>Model: Description</u>	<u>QTY</u>
PROJ MNT	Mount	1
PRS SYS T1	Presentation System	1
TP7	Control Panel	1
PROJ SCRN	Projection Screen	1
AMP T1	Amplifier	1
CLG SPK	Ceiling Speaker	6
ETH SW	AV Switch	1
FP T1	Floorplate connector	1
MON 24	Monitor	1
PROJ T1	Projector and lens	1



LECTERN T1	Lectern	1
DSP	DSP	1
DOC CAM	Document Camera	1

Skills Lab Bay

1. There is currently no AV Technology, cameras, or other devices in these spaces.

Add Alternate #01 – Delete Wireless Microphones from Classroom Spaces.

1. -\$2,000.00 per space.
 - a. Affected Spaces
 - i. Classroom 103, 105, 334, 336 and 261/263.

Add Alternate #02 – Delete Lecterns from AV Scope. - AV Enabled Lecterns are required for these spaces, and substitutions will need to be approved by TSAV.

1. -\$45,000.00 total
 - a. Affected Spaces
 - i. Classroom 103, 105, 334, 336 and 261/263.

Add Alternate #03 – Delete Document Cameras from Lab Spaces.

1. -\$4,000 per space
 - a. Affected spaces
 - i. Teaching lab (2x), Microbiology, Phlebotomy.

Add Alternate #04 – Delete Projection Systems in Lab and Add Display.

1. -7,500 per space
 - a. Affected spaces
 - i. Teaching lab (2x), Microbiology, Phlebotomy.

If the sales tax rates change at any time during the duration of the project, up to and including the month the payment is received by TSAV, the client will be responsible for the sales tax increases and the difference in tax will be handled as a change order.

Force Majeure:

1. Force Majeure. Neither party is responsible for any failure to perform its obligations under this contract, if it is prevented or delayed in performing those obligations by an event of Force Majeure. Force Majeure, includes any war (whether declared or not), armed conflict or the serious threat of the



same (including but not limited to hostile attack, blockade, military embargo), hostilities, invasion, act of a foreign enemy, extensive military mobilization; civil war, riot, rebellion, revolution, military or usurped power, insurrection, civil commotion or disorder, mob violence, act of civil disobedience; act of terrorism, sabotage or piracy; plague, epidemic, pandemic, outbreaks of infectious disease or any other public health crisis, including quarantine or other employee restrictions; act of authority whether lawful or unlawful, compliance with any law or governmental order, rule, regulation or direction, curfew restriction, expropriation, compulsory acquisition, seizure of works, requisition, nationalization; act of God or natural disaster such as but not limited to violent storm, cyclone, typhoon, hurricane, tornado, blizzard, earthquake, volcanic activity, landslide, tidal wave, tsunami, flood, damage or destruction by lightning, drought; explosion, fire, destruction of machines, equipment, factories and of any kind of installation, prolonged break-down of transport, telecommunication or electric current; general labor disturbance such as but not limited to boycott, strike and lock-out, go-slow, occupation of factories and premises; shortage or inability to obtain critical material or supplies to the extent not subject to the reasonable control of the subject Party (“Force Majeure Event”).

1.1 This provision shall become effective only if the Party failing to perform notifies the other party within a reasonable time of the extent and nature of the Force Majeure Event, limits delay in performance to that required by the Event, and takes all reasonable steps to minimize damages and resume performance.

Tariffs

Due to unknown factors caused by the current tariff situation, TSAV may need to make adjustments to the costs associated with any quotes or proposals we’ve provided. We will do our best to find ways to mitigate any additional costs by staying in close contact with our vendors regarding any potential increases in price for their goods and services. If possible, TSAV will employ a cost-sharing model in order to reduce the cost impact to our clients. Additionally, we are positioned to value-engineer certain elements of the systems to offset any unanticipated cost increases if appropriate.

Equipment pricing is based on today’s dollars. We suggest a 15% contingency for anticipated increases in equipment costs due to tariffs based on what we are hearing from the manufacturers. We encourage you to carry this in your budget allocation to be used if needed.

That said, we’re currently handling these issues tactically on a case by case basis. So, for example, we have some projects where we’re integrating systems (or where the equipment is needed on hand) late this year. We would normally wait several months to purchase, but we’ve negotiated with some manufacturers to establish extended warranty terms, extended at least as long as 1 year past the anticipated project completion date. Once that’s solidified and we’ve confirmed that you are comfortable with us billing for stored materials, we place the orders immediately, thereby mitigating potential subsequent price increases. In some cases, we’re able to lock in a window by placing orders for later ship dates too.

In short, we have options and are prepared to assist you as we all navigate through these unknowns. Our commitment to providing the best solutions relies on effective communication between your team and ours. We welcome any questions you might have, and look forward to working with you to mitigate



4/17/25



the potential for your project to fall too far out of your original budget range.

Again, I greatly appreciate the opportunity to provide you with this pricing. If you have any questions, please do not hesitate to contact me at any time.

Sincerely,

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