MINNESOTA STATE COLLEGES AND UNIVERSITIES

DAKOTA COUNTY TECHNICAL COLLEGE

REQUEST FOR BID (RFB)
FOR
CLASSROOM TECHNOLOGY MODERNIZATION
Dakota County Technical College  
Classroom Technology Modernization  
05/27/2021

Dakota County Technical College will be conducting a public Request for Bid (RFB) to all qualified vendors to provide a complete update and enhancement of all existing technology-enabled spaces (classrooms, conference rooms, meeting spaces) on the Dakota County Technical College campus (estimated to include 100 spaces).

Dakota County Technical College has over 100 spaces of varying sizes enabled with permanent technology (typically ceiling-mounted video projector, wall mounted push button control system, wall-mounted speakers, and various inputs, including dedicated desktop computer (Windows-based), laptop connections). These systems vary in configuration from analog to digital (over CAT6) control. These spaces are used to deliver instruction or conduct meetings synchronously and asynchronously with both in-person and remote attendees.

The goal of this project is to modernize and provide a consistent experience across all spaces to deliver seamless teaching, learning, and meeting experiences whether participants attend in-person or remotely.

Dakota County Technical College is looking to standardized on Logitech Rally / Rally Plus camera system, Extron AV control solutions, Epson projectors, and Samsung commercial-grade large format displays. Vendors are asked to clearly identify when recommending other solutions as part of their RFB response.

RFB responders may schedule up to six (6) hour site visit to assess current conditions (no charge to Dakota County Technical College) by email prior to June 7th 2021 to todd.jagerson@dctc.edu. On site visits will be open June 8th, 2021 through June 10th 2021 (9:00 AM – 3:00 PM)

Dakota County Technical College seeks the following:
1) Evaluation of current classroom conditions, including analysis of components to be retained and recommendations related to all items included below (currently installed projectors purchased in the last five years will be retained – unless replacement can be justified)

2) Detailed design of proposed new classroom configuration(s)
   a. Classroom design plans
   b. Technology design plans
   c. Vendor hardware model numbers

3) Classroom accessibility analysis and recommendations (e.g. audio loops for individuals with hearing impairments)

4) Update all classroom instructor stations to Extron touch screen interfaces (including full replacement of existing classroom technology control systems)

5) Incorporate technology into all classroom spaces, to include:
   a. Fixed camera displaying classroom participants
   b. Low voltage (CAT6) cable installation as necessary
   c. Support for AirTame technology
   d. Camera allowing three pre-set configurations (instructor only, instructor and whiteboard, full front of classroom) and ability for instructor to manually select zoom level
   e. Ability for instructor to display content on one screen (front of the room) and a “confidence monitor” at the back of the room to display computer monitor or remote participants on a second screen (either dual projector or large format monitor)
   f. Audio system that enables clear, consistent audio pickup of instructor anywhere in the room, and the ability to clearly hear questions from participants in person and remotely
      i. Wired microphone at instructor station
      ii. Ceiling-mounted microphone(s) to capture participant feedback
      iii. Instructor station microphone(s) will need to simultaneously broadcast audio both within the classroom (using sound system) and externally to remote participants

6) Incorporate technology into all conference room spaces, to include:
   a. Control unit for conference room (tablet, etc.) to control room
   b. Low voltage (CAT6) cable installation as necessary
   c. Camera(s) displaying conference room attendees
   d. Samsung large-format (size dependent on space) commercial monitor(s).
   e. Audio support (quantity and type dependent on space, e.g. single soundbar to ceiling-mounted speakers)
f. Microphone system to capture conference room participants

g. Support for AirTame technology

7) Classroom instructor technology to include:
   a. Windows OS desktop computer (owner-supplied)
   b. USB document camera (owner supplied)
   c. Adapter solution to allow audio/video connections to multiple devices (laptops, smart phones, etc.)
   d. Support for AirTame technology

8) Three-year onsite warranty for all installations; 5-year (minimum) warranty for all electronic components over $500

9) Full electronic documentation and raw configuration files

10) Training (recorded for future use) for Dakota County Technical College personnel (both technical and end-user trainings)

11) Removal and disposal of all equipment being replaced

12) Vendor to provide all AV and low voltage cable installations
   o Provide new, quality material for all products specified. Do not reuse materials.
   o Provide a Registered Communications Distribution Designer (RCDD).
     - The RCDD shall oversee the installation and progress of the cabling during installations
   o Provide a BCSI certified installer
   o Provide a licensed power limited technician to work on site.
   o Provide a copy of the contractors Minnesota Technology Systems Contractors License

TIMELINE:

1) RFB published / sent to vendors May 27, 2021
2) RFB respondents’ site-visit June 8, 2021 – June 10, 2021
3) RFB Submittal June 16, 2021
4) Review and Award June 18, 2021
5) Installation of one classroom and one conference room July 9, 2021
6) Installation of 40+ spaces August 20, 2021
7) Complete installation January 26, 2022
DCTC general classroom photos:
DCTC classroom and conference room list:
Dakota Room A
Dakota Room B
2-143 conference room
2-106 Rosemount Room
2-142 conference room
1-101 Computer Lab
1-104 Computer Lab
1-105 VCOM Graphics Lab
1-106 Computer Lab
1-107 Classroom
1-108 Design Classroom
1-112 VCOM Lab
1-116 Computer Lab
1-117 Faculty Offices
1-302 Allied Health Lab
1-303 Nano Tech Lab
1-305 Science Lab
1-306 Simulation Lab
1-307 Allied Health Lab
1-308 Classroom
1-309 Classroom
1-310 Classroom
1-311 Classroom
1-400 Simulation Lab
1-413 Allied Health Lab
1-420 Allied Health Lab
1-421 Allied Health Lab
1-422 Classroom
DCTC classroom and conference room list:
1-423 Classroom
1-502 Brewing Lab
1-503 Lab
1-504
1-510A Landscape Greenhouse
1-510B Classroom
1-510D Classroom
1-510E Landscape Greenhouse
1-521 ETSA Classroom Lab
1-600 Auto Mechanics Lab
1-605 Auto Mechanics Lab
1-610 Auto Mechanics Lab
1-620 Classroom
1-630 Classroom
1-631 Classroom
1-635 Computer Lab
1-640 Classroom
1-650 Classroom
1-660 Automotive Lab
1-705 Auto Body Lab
1-715 Welding Lab
1-727 Classroom
1-729 Classroom
1-730 HCEM Engine Lab
1-735 HCEM Lab A
1-740 Heavy Duty Truck Engine Lab
1-801A Electrical Construction Lab
1-801C Electrical Const Inactive 8/15/16
1-810 GM Raytheon Auto Lab
1-815 Electrical Construction Classroom
1-820 Electrical Construction Lab
1-830 Heavy Duty Truck Lab A
2-102 Computer Lab
2-103 Writing Center
2-104 Classroom
2-204 Classroom
2-206A Classroom
2-206C Simulation Lab
2-300A Computer Lab
2-300B Computer Lab
2-300C Computer Lab
2-300D Design Classroom
2-303 Office
DCTC classroom and conference room list:
2-304 Academic Affairs
2-313 Mechatronics/Soldering Lab
2-315 Classroom
2-317 Classroom
2-400 Computer Lab
2-505 Classroom
2-507 Classroom
2-511 Classroom
2-512 Classroom
2-515 Computer Lab
2-516 Computer Lab
2-522 Computer Lab
2-523 Classroom
2-524 Classroom
2-601 Classroom
2-602 Computer Lab
2-603 Classroom
2-700 Classroom
2-701 Classroom
2-702 Computer Lab
2-705 Computer Lab
2-706 Computer Lab
2-708 Computer Lab
2-711 Computer Lab
2-712 Classroom
2-713 Classroom
2-714 Classroom
2-715 Biomed Lab
2-716 Electronics Lab
2-722A PLC Lab
2-723 ELLW Classroom Lab
2-724 ELLW Classroom Lab
2-726 Classroom
2-727 Classroom
2-801B Electrical Construction Lab