

Instructional Technology Standards

INTRODUCTION

The San Mateo Community College District is committed to providing a consistent, high quality teaching and learning environment for its students and faculty. The use of technology to support instruction is integral to achieving this goal. Whether it be audio/visual systems, communication technologies, or network technologies it is important that a team of experienced instructional professionals are involved in the design and specification of the instructional classrooms and laboratories.

The technology used to support instruction is to be determined based on the unique instructional needs and utilization of each room or laboratory. **No** facility should be designed or specified **without consultation** with the **instructional faculty** that will use the technology and the **ITS staff** that are responsible for the support of the technology.

The goals for establishing Instructional Technology Standards and Guidelines are to:

- serve as a planning and design reference for architects, engineers, and furniture coordinators.
- assist with budget planning and cost estimation.
- facilitate service and maintenance by having consistent technology throughout the District.

The specific requirements for each instructional facility will depend on the unique instructional use of that facility. Therefore, these standards are guidelines and are subject to change based on the introduction of new technologies or to meet unique instructional needs. For the latest updates and notes please visit <http://www.smccd.net/accounts/itwirespecs>

Equipment that is specified by make and model is **not** to be substituted with out written approval of ITS.

CLASSROOMS

Minimum Standard

The minimum standard for all new or modernized classrooms is to include a projector mount, projector power, projector data connection, teaching position data connection, teaching position power, pathway for cables from the projector to the teaching position, a projection screen, and controlled room lighting.

- Ceiling Mount for Projector Pole (Contractor provided, Contractor installed)
 - Chief CMA-110 8" * 8" - 1 ½" NPT fitting, Flat ceiling
 - Chief CMA-395 Angled Ceiling Adapter 4 1/4" H x 3" W x 7 1/2" L, Angled ceiling
 - Center of projector mount is to be located center of screen 15'+/-6" from front of screen.
- Projector Power (Contractor provided, Contractor installed)
 - Duplex 120VAC 20-amp circuit
 - Installation to be 1' +/- 6" behind projector

- Projector Data (Contractor provided, Contractor installed)
2 quantity, Cat. 6 cables homerun to appropriate IDF/MDF
All connections are to be made in accordance with ITS cabling standards.
Installation to be 1' +/- 6" behind projector

- Teaching Position Data (Contractor provided, Contractor installed)
1 quantity (minimum), Cat. 6 cables homerun to appropriate IDF/MDF
All connections are to be made in accordance with ITS cabling standards.
Installation is to be no more that 3' away from teaching position and 18" above finished floor.

- Teaching Position Power (Contractor provided, Contractor installed)
Duplex 120VAC 20-amp circuit
Installation is to be no more that 3' away from teaching position and 18" above finished floor.

- Pathway for cable (Contractor provided, Contractor installed)
A minimum of a 2" pathway must be provided from the projector to the teaching position. The teaching position side of the pathway is to terminate in a 4" x 4" box 18" from finished floor.
In above ceiling installations, appropriate J-hooks are to be provided.

- Projection Screens (Contractor provided, Contractor installed)
Rooms with maximum seating of 60
Screen is to be a Da-Lite Model C, Matte White, Video format screen, 69" * 92"
Installation brackets Da-Lite Model No. 6
Installation height for screen is a minimum 10' maximum 11'
Screen location is to be determined based on instructional needs.
Rooms with seating capacity between 60 - 100
Screen is to be a Da-Lite Model C, Matte White, Video format screen, 87" * 116"
Installation brackets Da-Lite Model No. 6
Installation height for screen is a minimum 11' maximum 13'
Screen location is to be determined based on instructional needs.
Rooms with seating capacity greater than 100 will be considered on an individual basis
Ceiling conditions or light fixtures may require a modification to this standard.
Please contact ITS for a variance.

- Controlled Room lighting (Contractor provided, Contractor installed)
Ceiling lighting that occurs between the projector and screen needs to be switched on/off independent of other ceiling lights.

Equipped Smart Classroom

The equipped classroom includes the minimum standards plus projector, projector mount, sound system, and cabling.

- Projector (Owner provided project funded, Owner installed)
 - Rooms with maximum seating of 60
 - Epson 830C, Power focus, 1.6x zoom, 3000 lumens, network capable, 10.4 Lbs.
 - Rooms with seating capacity greater than 60 will be considered by ITS on an individual basis.

- Projector Mount (Owner provided project funded, Owner installed)
 - Chief RPA 6000 with mounting pole

- Sound System (Owner project funded /Contractor provided, Owner/Contractor installed)
 - The sound system consists of an amplifier and appropriate number of speakers.
 - Due to the number of variables that can effect sound in a classroom please contact ITS for appropriate sound solution.

- Cabling (Owner provided project funded, Owner installed)
 - Classroom cabling includes:
 - VGA Cable
 - 2 quantity stereo mini phone cable
 - Combination stereo audio and composite video RCA cable
 - 14 AWG stranded wires for speakers

The following price list is provided for estimation purposes only. There is no assurance that these prices will reflect market pricing at time of purchase. Prices as of 1/05

For additional product information and cut-sheets please visit
<http://www.smccd.net/accounts/itwirespecs>

Item #	Description	Price
1	Chief CMA-110 Ceiling mount	\$55
2	Chief CMA-395 Angle Ceiling adapter	\$125
3	Da-Lite Model C Matte white 69" * 92" screen with mounts	\$270
4	Da-Lite Model C Matte white 87" * 116" screen with mounts	\$345
5	Epson 830C Projector	\$2700
6	Chief RPA 6000 projector mount	\$165
7	Speakers wall mount RCA	\$99/Pair
8	Speakers wall Mount JBL Control 1 with MTC-1A mounting brackets (Upgrade sound)	\$220/Pair
9	Speakers ceiling mount JBL Control 26T with Bracket	\$260/Pair
10	Audio Amplifier (Small Room) Alesis RA 150	\$220
11	Audio Amplifier (Large Room /Upgrade Sound) Crown CTS 600	\$690
12	Cable set	\$100
13	Combination VCR/DVD player	\$110
14	InterWrite tablet	\$790
15	Document Camera	\$1900
16	Laptop Computer with Case, Memory Stick, Remote Control	\$2000