MEDICAL ASSISTING LAB

SPACE DESCRIPTION

The Medical Assisting Lab is a dedicated, combined classroom and skills lab for instruction and clinical training in medical assisting. Here, students gain the skills and knowledge needed for professional competency in working alongside doctors and other medical practitioners.

The space allows students an opportunity to practice technical and patient care tasks in a setting designed to mimic clinical, office and hospital practice settings. The labs require specific training equipment and space planning. Exam rooms, a Reception office, Phlebotomy, Restroom, and Storage room adjoin the Medical Assisting Lab.

The layouts shown are illustrative of basic concepts and spatial needs. Although not a requirement, tall tables at the back of the room allow for flexibility and functionality of space for students in clinical instruction. Specific requirements may be accommodated on a project by project basis, according to each campus' needs.

As all programs in the Healthcare field quickly evolve and advance with technology, so too, must the space they occupy. The Lab shall be planned with flexibility and reconfiguration in mind.

SUCCESS FACTORS

Combined space: Training is most successful when instructors and students can move back and forth between lecture and skills practice.

Reality: Students in the Medical Assisting program are learning to support healthcare practitioners and provide services to real patients. They require all the necessary spaces, resources and equipment to simulate real-life situations.

Storage: Ample storage space is critical for supplies, equipment, and controlled substances.

GENERAL

All perimeter walls shall be full height to deck.

ADJACENCIES

Separate but adjacent space is required for the following: (2) **Exam Rooms, Reception office, Phlebotomy Room, Restroom, and Storage.**

Ideally, Medical Assisting Labs adjoin other programs in the healthcare sciences for efficiency in shared spaces and cross-training between programs. Medical Assisting Labs shall be located within close proximity to faculty offices.

ACOUSTICS

Acoustic ratings for Medical Assisting Lab perimeter walls: STC 50. Special accommodations may be required due to location in the building.

Maximum recommended HVAC Background Noise: 40dBa

Follow the recommended methodologies and best practices for mechanical system noise control in ANSI Standard S12.60; the 2015 ASHRAE Handbook-- HVAC Applications, Chapter 48, Noise and Vibration Control (with errata); and AHRI Standard 885–2008.

Maximum NC Level for VAV's shall be less than 30 at maximum CFM

MECHANICAL

Window or room unit systems are not acceptable in Medical Assisting Labs due to poor acoustic performance.

Verify specific needs on a project-by-project basis while planning for flexibility in the future. Provide the following, at minimum:

- Provide ADA-compliant plumbing fixtures in Restroom.
- Provide handwash sinks with foot pedals or sensors.

ELECTRICAL & DATA

Place wall outlets at no more than 6' intervals or as necessary to allow for 30% coverage. When laptops are a requirement for learning, special consideration is necessary. Coordinate with data requirements.

- Provide power and data for standard Learn Anywhere technology package:
    - 2 (+/-) 75" touchscreen TVs on the front teaching wall
    - 1 (+/-) 75" smart TV and camera on the rear wall for virtual classes
    - Instructor station with PC
    - Audio/ sound system to include instructor microphone, soundbars and wireless connection to student headsets as needed.
- Provide power and data for student laptops and devices.
- ALTERNATE: Provide power and data in ceiling for 2 projectors at the front wall, in lieu of touchscreen TVs.

Provide power and data at 6' intervals along perimeter walls at locations which may be used for desktop computer workstations and/or lab equipment.

LIGHTING

- Provide LED lighting system with appreciable indirect component and good diffusion for maximum visibility from all directions.
- Provide controls for zoning and dimming. Front row shall be switched separately with three preset dimmable levels: low, medium, high. Provide a dimmer switch at the Instructors Station.
- Provide low-brightness luminaires with high visual comfort probability (VCP) in all viewing directions. Average 40fc at 30" A.F.F. Min CRI 80.
- Lighting watts per square foot and controls shall meet the latest requirements of ASHRE 90.1

TECHNOLOGY

- Provide Wireless capability throughout Medical Assisting Labs.
- Provide data outlets at same interval as power.
- Provide telephone service.
- Coordinate equipment for Instructor's Station and Ivy Tech standard classroom audio/ sound system

ACCESSORIES AND EQUIPMENT

Equipment needs include:

- On front teaching wall, provide 16’ wide projectable whiteboard with marker tray. Whiteboard shall be matte white, low-glare, 4.0 gain; and must support 16:9 projection dimensions.
- On side walls, provide 8’-0” tack strip mounted 72” A.F.F. and 8’-wide whiteboard with marker tray. Rolling whiteboards may also be used.
- Full-size refrigerator
- Wall-mounted glove dispensers
- Wall-mounted hand sanitizer dispensers
- Specimen cabinet with pass-thru
- Lockable cabinets
- Sharps containers

FURNITURE

Furniture shall be selected for flexibility and mobility. Provide the following standard furnishings for Medical Assisting Labs:

- Tables and chairs on casters for flexibility and mobility, coordinating caster type with flooring material.
- Workstations shall have integral power and data connections.
- Wall and base cabinets with locks.
- Tall tables with integral power and data, optional.
- Phlebotomy chairs.
- Patient chairs.
- Open shelving.

FINISHES

Ceilings

Recommended Height: 9’ to 10’, with special consideration to acoustics when greater than 10’.

Ceilings shall have an NRC of .70 to .85.

In renovations, classrooms without full height perimeter walls shall have ceilings with high CAC (Ceiling Attenuation Class) values.

Floors

Hard surface, no-wax flooring is required.

Countertops

Solid surface required for all wet and chemical areas.

DOORS AND WINDOWS

Doors shall be minimum STC 30 with 6” x 30” Window Lite preferred.

Provide locked entry door. Key fob access preferred.

RECEPTION

SPACE DESCRIPTION

The Reception office is a small space adjoining the Medical Assisting Lab and designed to mimic a medical office. A reception desk with two workstations shall be provided with power and data connections.

Design for full accessibility, including an ADA transaction counter.

ACCESSORIES AND EQUIPMENT

Provide the following in Reception:

- Task lighting
- Telephone
- Printer
- File cabinet

EXAM ROOM

SPACE DESCRIPTION

Adjoining the Medical Assisting Lab, Exam rooms provide a private space for students to practice patient intake, consultation, and care.

Provide the following:

- Scale and Height stick
- Lockable base cabinet with solid surface countertop and handwash sink
- Workstation with power and data
- Medical exam table. Verify power requirements.
- Mayo stand, Patient chair and rolling stool
- Wall mounts for ophthalmology scopes and BP cuff
- Sharps container

PHLEBOTOMY

SPACE DESCRIPTION

Adjoining the Medical Assisting Lab, the Phlebotomy room provides a location for students to practice specimen collection and testing, and administration of injectable medications, immunizations, and vaccines.

Provide the following:

- Base and wall cabinets with solid surface countertop
- Full-size refrigerator
- Sharps container
- Phlebotomy chairs
- Specimen cabinet pass-thru from adjacent Restroom
- Workstation and printer with power and data

STORAGE

SPACE DESCRIPTION

Adjoining the Medical Assisting Lab, the Storage Room provides a secure location for the storage of medications, equipment, and supplies.

Provide lockset door hardware.

Provide the following:

- Base cabinet and countertop workstation with power and data
- Open-shelf upper wall cabinets
- Lockable cabinet for sensitive materials
- Storage racks