

Central Processing and Service

Program Length:

1100 Total Hours
200 Hours Lecture
500 Hours Lab
400 Hours Externship

Program Description:

The program will help students gain knowledge in the field of Central Services and learn about International Association of Healthcare Central Service Management (IAHCSMM), educational opportunities, professional development, workflow, processing cycles, basic job knowledge, job responsibilities, compensation, Central Service concerns, career growth, and certifications. This program will teach students how to create a resume and help them build up a proper skillset for the industry. This includes written and verbal communications, resume writing, interviewing, budgeting personal finances, and job search and readiness strategies. This program will also help students achieve a CRCST certificate after they graduate

Central Processing and Service Program

Course/Number		Clock	Hours	
Lesson	Title	Lecture	Lab	Clock Hours
CP001	Introduction to Central Processing and Service	22	6	28
CP002	Anatomy, Physiology, Microbiology	6	54	60
CP003	Regulations and Standards	20	4	24
CP004	Infection Prevention	6	17	23
CP005	Tools for Cleaning	11	36	47
CP006	Decontamination, Preparation and transport	7	8	15
CP007	Cleaning and Decontamination	7	28	35
CP008	Disinfection	7	25	32
CP009	Surgical Instruments	6	82	88
CP010	Sterile Packaging and Storage	9	24	33
CP011	Point of Use Processing	12	24	36
CP012	Sterilization	22	45	67
CP013	Inventory and Equipment Management	20	26	46
CP014	Tracking Systems	6	10	16
CP015	Quality Assurance	12	24	36
CP016	Safety	4	36	40
CP017	Communication and Services	5	8	13
CP018	Sterilization Process and Other Practices	16	25	41
CP019	Interview, Teamwork & Management	2	18	20
CP020	Externship	0	400	400
Total:		200	900	1100

Program Subjects:

1. Introduction to Central Processing and Service

2. Anatomy, Physiology, Microbiology
3. Regulations and Standards
4. Infection Prevention
5. Tools for Cleaning
6. Decontamination, preparation and transport
7. Cleaning and Decontamination
8. Disinfection
9. Surgical Instruments
10. Sterile Packaging and Storage
11. Point of Use Processing
12. Sterilization
13. Inventory and Equipment Management
14. Tracking Systems
15. Quality Assurance
16. Safety
17. Communication and Services
18. Sterilization Processing and Other Practices
19. Job Application Skills
20. Externship

Certification:

A diploma of completion will be given to each student upon completing the Program. This diploma will be used to show a prospective employer evidence of program completion and the skills attained for successful work in the Central Processing industry. A successful candidate would also achieve a CRCST certificate while all students would be able to take the test once during their training in PTTI.

Course Descriptions – Central Processing and Service Program

CP001-Introduction to Central Processing and Service

This course would teach the students the importance of IAHCSSM, the workflow processes and the definition of medical terms. This would be an introduction course and the students will have a basic knowledge of the Medical Central Processing Industry.

CP002-Anatomy, Physiology, Microbiology

Upon successful completion of this course, the student will be able to review the structure, function activities, and role of cells, tissues, and organs in the body, identify and describe the structure and roles of each major body system, and indicate common surgical procedures that involve each system. Define the term, microbiology and tell why central service technicians must know about it. Describe how microorganisms are transmitted between persons and places. Review basic procedures to control and kill microorganisms.

Prerequisite: CP001

CP003-Regulations and Standards

Upon successful completion of this course, the student will be able to tell the difference between regulations and voluntary and regulatory standards; provide basic information about the US Food and Drug Administration and review its regulations applicable to different conditions.

Prerequisite: CP001, CP002

CP004-Infection Prevention

This course would make the students be able to explain the role of central service technicians in a healthcare facility's infection prevention and control efforts, discuss personal hygiene and personal protective equipment precautions that enable central service technicians to protect patients and themselves, define the term, standard precautions, and review its role in preventing the transmission of infectious organisms, list key elements in the Blood borne Pathogens Standard published by OSHA and describe basic environmental concerns as Central Service work areas are designed.

Prerequisite: CP003

CP005-Tools for Cleaning

The students will learn about how to explain the importance of using purified water in the cleaning process, and review procedures to test for water purity, discuss factors that impact water purity, provide an overview of components and products that are important in water purification systems, explain the basics of distillation, deionization, and reverse osmosis water purification systems, identify common cleaning chemicals, and review basic protocols for their use and note the importance of brushes, cloths, and sponges in an effective cleaning process.

Prerequisite: CP003

CP006-Decontamination, preparation and transport

Upon successful completion of this course, the student will be able to review the three priority goals of soiled item transport, identify the sources of contaminated items, explain point of use preparation procedures, review basic procedures to transport soiled items from user areas of the central service decontamination area, discuss safety guidelines for transporting soiled items to the central service decontamination area and provide basic sources for education and training information applicable to the transport of contaminated items.

Prerequisite: CP004, CP005

CP007-Cleaning and Decontamination

In this course, the student will be taught about the basic factors that impact cleaning and decontamination; the important selection and usage concerns for cleaning agents (water, detergents, enzymes, and enzymatic detergents) and for lubricants. They would also be able to explain details about cleaning and decontamination and review manual procedures and mechanical methods to complete both processes.

Prerequisite: CP006

CP008-Disinfection

Upon successful completion of this course, the student will be able to define the term disinfection and explain how disinfection differs from sterilization, review factors that impact the effectiveness of a disinfectant and discuss the relationship between the risk level of a device to be disinfected and the selection of a disinfectant.

Prerequisite: CP007

CP009-Surgical Instruments

This course would talk about the surgical instruments related to the central processing industry, including the process by which surgical instruments are manufactured, the basic categories of surgical instruments based upon their functions, and identify the points of inspection, anatomy (features) of, and procedures to measure different types of instruments.

Prerequisite: CP008

CP010-Sterile Packaging and Storage

Upon successful completion of this course, the student will be able to explain the basic objectives of the packaging process and review basic selection factors for materials to be used with specific sterilization methods; provide an overview of reusable packaging materials and disposable packaging materials. This course would also teach basic package closure methods and pack contents.

Prerequisite: CP009

CP011-Point of Use Processing

This course would help the students to define the term flash sterilization and review industry standards for the process. It would also explain the need for and basic procedures to perform flash sterilization. Students would learn about the quality control monitoring procedures for flash sterilizers. They would also review concerns about point of use processing of heat sensitive medical devices.

Prerequisite: CP010

CP012-Sterilization

This course would talk about the factors that impact the effectiveness of sterilization and the methods of heat transfer associated with high temperature sterilization, the advantages of steam sterilization, the anatomy of a steam sterilizer and identification the function of each major component. This course would also provide basic information about the types of steam sterilizers, the phases in a steam sterilizer cycle, the conditions necessary for an effective steam sterilization process and the basic work practices for steam, dry heat sterilization.

Prerequisite: CP011

CP013-Inventory and Equipment Management

This course helps students to gain knowledge about the inventory and equipment in the central processing industry. Students would understand the importance of effective inventory management and explain basic inventory management concepts. They would be able to identify the purposes of commonly used patient care equipment, understand the handling requirements and concerns for common patient care equipment.

Prerequisite: CP011

CP014-Tracking Systems

This course lists the primary reasons for tracking equipment, instruments, and supplies, discuss the use of computers and information systems to support application within the facility and central service department. Students would be able to recognize that tracking systems enhance central service operations.

Prerequisite: CP013

CP015-Quality Assurance

Upon successful completion of this course, the student will be able to define Quality in the context of central service operations and tell how to identify it, describe components in a quality central service program, discuss quality control indicators and explain the basics of failure mode and effects analysis and root cause analysis. This course would also discuss common quality programs and review quality procedures in the central service department.

Prerequisite: CP014

CP016-Safety

This course mainly talked about the common safety hazards applicable to central service functions and work areas and explain how employee injuries can be prevented. Students would be taught about special safety precautions for handling ethylene oxide
Review procedures to report employee accidents and injuries. This course would also talk about the importance of ergonomics and health awareness for ventral service technicians.

Prerequisite: CP015

CP017-Communication and Services

Explain the need for central service technicians to utilize effective communication and human relation skills, define the term professionalism, list traits of professional central service technicians, and describe their fundamental beliefs and behaviors, use basic tactics of effective communication in the workplace. This course will make the students practice procedures to enhance and maintain effective working relationships.

Prerequisite: CP016

CP018-Sterilization Processing and Other Practices

This course explains basic standards and practices used for sterile processing im ambulatory surgical centers. This course also talks about the basic standards and practices used for sterile processing in dental facilities.

Prerequisite: CP017

CP019-Job Application Skills

This course would talk about the job searching and interviewing processes. It makes students feel confident and perform well in an interview setting. After this course they would be able to effectively communicate with co-workers and supervisors.

Prerequisite: CP018

CP020-Externship

Students will acquire working skills on the job as a component of their education and hands-on training at the PTT School. Emphasis will be placed on applying skills learned, working well with other employees, teamwork, and helping companies become more productive, higher quality and increased quality standards of work.

Prerequisite: CP019