

HEALTHCARE SUPPLY CHAIN AND OPERATIONS MANAGEMENT GRADUATE CREDIT CERTIFICATE PROGRAM

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| Person-in-Charge | Dinesh R. Pai |
| Program Code | HSCOM |
| Campus(es) | Harrisburg |

The complexity of healthcare delivery systems – varying levels of care, technological and regulatory changes, focus on preventative care, special projects, teamwork, and more – demands effective organizational operations. The goal of this 12-credit certificate program is to better prepare healthcare professionals with those contemporary skills and concepts necessary for the effective and efficient management of the healthcare operations while delivering high-quality, appropriate care. Students will learn to analyze, develop, and implement those functions related to producing and delivering services, managing projects, reducing waste, improving process, and sourcing materials in a healthcare setting.

Effective Semester: Spring 2022
Expiration Semester: Spring 2027

Admission Requirements

Applicants apply for admission to the program via the Graduate School application for admission (<https://gradschool.psu.edu/graduate-admissions/how-to-apply/>). Requirements listed here are in addition to Graduate Council policies listed under GCAC-300 Admissions Policies (<https://gradschool.psu.edu/graduate-education-policies/>). International applicants may be required to satisfy an English proficiency requirement; see GCAC-305 Admission Requirements for International Students (<https://gradschool.psu.edu/graduate-education-policies/gcac/gcac-300/gcac-305-admission-requirements-international-students/>) for more information.

This curriculum is designed for working healthcare professionals. Successful applicants will normally have, before the start of their first semester, at least two years' post baccalaureate work experience in healthcare management, healthcare operations, supply chain management, or a closely allied field.

The applicant's baccalaureate degree should be in business, engineering, economics, information sciences, or a related field and the applicant should have completed a college-level course in microeconomic principles with a course in supply chain management and/or operations management strongly recommended. A minimum undergraduate GPA of 2.8 is required unless the student has earned a graduate degree from an accredited university.

Ideally, the applicant should have a working knowledge of Microsoft Excel and business statistics, plus a basic understanding of accounting principles.

Certificate Requirements

Requirements listed here are in addition to requirements listed in Graduate Council policy GCAC-212 Postbaccalaureate Credit Certificate Programs (<https://gradschool.psu.edu/graduate-education-policies/gcac/gcac-200/gcac-212-postbaccalaureate-credit-certificate-programs/>).

| Code | Title | Credits |
|------------------------------|--|-----------|
| Required Courses | | |
| MNGMT 522 | Operations and Supply Chain Management | 3 |
| HADM 539 | Health Systems Organization | 3 |
| Electives | | |
| Select one of the following: | | 3 |
| HADM 545 | Health Financial Management | |
| HADM 541 | Health Economics and Policy | |
| Select one of the following: | | 3 |
| BUS 510 | Business Analytics and Decision Modeling | |
| MANGT 510 | Project Management | |
| SCIS 546 | Procurement and Supply Management | |
| Total Credits | | 12 |

Courses

Graduate courses carry numbers from 500 to 699 and 800 to 899. Advanced undergraduate courses numbered between 400 and 499 may be used to meet some graduate degree requirements when taken by graduate students. Courses below the 400 level may not. A graduate student may register for or audit these courses in order to make up deficiencies or to fill in gaps in previous education but not to meet requirements for an advanced degree.

Learning Outcomes

1. Explain the importance of operations and supply chain management and its role in a healthcare organization's productivity and strategy.
2. Develop and apply tools to manage projects, improve processes, strategic sourcing, and inventory management.
3. Discuss public policy issues, technology, innovations, health system components, health care regulation.
4. Apply theory and techniques of financial management such as working capital, capital budgeting, and institutional financing to health organizations.
5. Apply analytics tools to drive data driven decisions.

Contact

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| Campus | Harrisburg |
| Graduate Program Head | Dinesh Ramdas Pai |
| Director of Graduate Studies (DGS) or Professor-in-Charge (PIC) | Angappa Gunasekaran |
| Program Contact | Amy Atkins akj11@psu.edu (717) 948-6140 |