

Associate of Science in Health Science (A.S.) Partnership Programs

Degree Type

Associate of Science

The Associate of Science in Health Science (A.S.) Partnership Programs are available to employees of Dartmouth Health who are trained through the Dartmouth Health Workforce Readiness Institute (WRI). Students in these programs supplement their coursework and apprenticeships at Dartmouth Health with online coursework through Colby-Sawyer College (CSC).

Three pathways to the Associate of Science in Health Science are available: medical assistant, pharmacy technician and surgical technologist.

Medical Assistant Certification

Dartmouth Health WRI Medical Assistant trainees are enrolled in an 11-week intensive training program, which leads to national certification through the National Healthcareer Association (NHA) and a credential of Certified Clinical Medical Assistant (CCMA). Upon successful completion, medical assistant trainees begin work in the ambulatory clinic and are enrolled in a 2,000-hour Department of Labor Registered Apprenticeship.

A total of 60 credits is required to earn the Associate of Health Science. Dartmouth Health WRI Medical Assistant trainees earn 25 credits through Colby-Sawyer for the MA training coursework, followed by 21 credits for elective courses taken during the student's registered apprenticeship. The final 20 credits of the pathway are derived from 8-week online Liberal Education courses taught by CSC. Please note: the additional credits students earn can be rolled into a Bachelor's degree program.

Pharmacy Technician Certification

Dartmouth Health WRI Pharmacy Technician trainees are enrolled in a 9-week intensive training program which leads to national certification through the Pharmacy Technician Certification Board (PTCB) exam and the credential of a Certified Pharmacy Technician (CPhT). Upon successful completion, pharmacy technician trainees begin work in the pharmacy and are enrolled in a 2,000-hour Department of Labor Registered Apprenticeship.

A total of 60 credits is required to earn the Associate of Health Science. Dartmouth Health WRI Pharmacy Technician trainees earn 19 credits through Colby-Sawyer for the PT training coursework, followed by 21 credits for elective courses taken during the student's apprenticeship. An additional 8 credits are taken through the WRI following certification. The final 20 credits of the pathway are derived from 8-week online Liberal Education courses taught by CSC. Please note: the additional credits students earn can be rolled into a Bachelor's degree program.

Surgical Technologist Certification

The surgical technology program is an intensive 11-month training program accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). Graduates are eligible to sit for the National Board of Surgical Technology and Surgical Assisting (NBSTSA) exam to become Certified Surgical Technologists (CSTs). Upon successful completion, Surgical Technologist Trainees begin work in the operating room and are enrolled in a 2,000-hour Department of Labor Registered Apprenticeship. Beginning in Fall 2021, students admitted to the Surgical Technology (ST) program at Dartmouth Health who do not hold an associate degree or higher may be considered for sponsorship by Dartmouth Health and begin taking courses at CSC prior to matriculation into the 11-month training program to obtain their Associate of Health Science prior to certification.

A total of 60 credits is required to earn the Associate of Health Science. Dartmouth Health WRI Surgical Technologist trainees earn 24 credits from 8-week online Liberal Education courses taught by CSC. Please note: the additional credits students earn can be rolled into a Bachelor's degree program.

Professional Learning Credits

Professional learning credits can be evaluated and considered in place of the Dartmouth Health campus courses.

Learning Outcomes

1. Identify common terminology, tool and practices used in health and wellness systems.
2. Synthesize various theories of human behavior among societal cohorts.
3. Discover and assess community resources for patients of health and wellness providers.
4. Describe potential risks to wellness stemming from behavioral, environmental and social factors.
5. Practice appropriate scientific inquiry, mathematical fluency and lab techniques for problem solving.

Health Science (A.S.) Medical Assistant Progress to Completion Requirements:

Courses taken at Dartmouth Health location:

| Item # | Title | Credits |
|---------|---|---------|
| ALH 101 | Medical Terminology | 3.0 |
| ALH 102 | Introduction to Anatomy and Physiology | 3.0 |
| ALH 103 | Pathophysiology | 3.0 |
| ALH 105 | Communication for the Healthcare Professional | 2.0 |
| ALH 106 | Pharmacology | 3.0 |
| MA 101 | Clinical Medical Assistant Practices | 4.0 |
| MA 101L | Clinical Medical Assistant Practices Lab | 4.0 |
| MA 201 | Clinical Medical Assistant Practicum | 3.0 |

Courses taken at CSC:

| Item # | Title | Credits |
|---------|----------------------------------|---------|
| IE 300 | Level Courses | 4.0 |
| | MAT 206 or 220 | 4 |
| PHI 305 | Biomedical Ethics | 4.0 |
| WRT 101 | Introduction to Academic Writing | 4.0 |

One additional Liberal Education course

| Item # | Title | Credits |
|--------|--------------------------|---------|
| | Liberal Education Course | 4 |

Courses taken through the WRI can be evaluated for professional learning credits that may count toward the degree as free electives.

Health Science (A.S.) Pharmacy Technician Progress to completion Requirements:

Courses taken at Dartmouth Health location:

| Item # | Title | Credits |
|----------|--|---------|
| ALH 101 | Medical Terminology | 3.0 |
| ALH 102 | Introduction to Anatomy and Physiology | 3.0 |
| ALH 103 | Pathophysiology | 3.0 |
| ALH 104 | Introduction to Healthcare | 2.0 |
| ALH 105 | Communication for the Healthcare Professional | 2.0 |
| ALH 106 | Pharmacology | 3.0 |
| PHT 101 | Pharmacy Technician Practices and Procedures | 3.0 |
| PHT 101L | Pharmacy Technician Practices and Procedures Lab | 2.0 |
| PHT 102 | Pharmacy Calculations | 3.0 |
| PHT 201 | Pharmacy Technician Practicum | 3.0 |

Courses taken at CSC:

| Item # | Title | Credits |
|---------|----------------------------------|---------|
| IE 300 | Level Courses | 4.0 |
| | MAT 206 or 220 | 4 |
| PHI 305 | Biomedical Ethics | 4.0 |
| WRT 101 | Introduction to Academic Writing | 4.0 |

One additional Liberal Education course

| Item # | Title | Credits |
|--------|--------------------------|---------|
| | Liberal Education Course | 4 |

Courses taken through the WRI can be evaluated for professional learning credits that may count toward a degree as free electives.

Health Science (A.S.) Surgical Technologist Progress to completion Requirements:

Courses taken at Dartmouth Health location:

| Item # | Title | Credits |
|---------|--|---------|
| AHS 101 | Surg Tech Terminology | 3.0 |
| AHS 200 | Surgical Anatomy and Physiology I (+ Lab) | 4.0 |
| AHS 300 | Surgical Anatomy and Physiology II (+ Lab) | 4.0 |
| SUR 101 | Perioperative Patient Care | 4.0 |
| SUR 102 | Perioperative Patient Care II | 6.0 |
| SUR 103 | Aseptic Lab | 12.0 |
| SUR 200 | Microbiology | 4.0 |
| SUR 201 | Surgical Procedures I | 4.0 |
| SUR 202 | Surgical Procedures I Clinical | 12.0 |
| SUR 300 | Pharmacology | 3.0 |
| SUR 301 | Surgical Procedures II | 4.0 |
| SUR 302 | Surgical Procedures II Clinical | 12.0 |
| SUR 400 | Professional Success Development | 1.0 |
| SUR 401 | CST Review | 3.0 |
| SUR 402 | Surgical Specialties III | 4.0 |
| SUR 403 | Surgical Specialties III Clinical | 12.0 |

Courses taken at CSC:

| Item # | Title | Credits |
|---------|---------------------------------------|---------|
| BIO 205 | Human Anatomy and Physiology I (+lab) | 4.0 |
| IE 300 | Level Courses | 4.0 |
| | MAT 206 or 220 | 4 |
| PHI 305 | Biomedical Ethics | 4.0 |
| WRT 101 | Introduction to Academic Writing | 4.0 |

One additional Liberal Education course

| Item # | Title | Credits |
|--------|--------------------------|---------|
| | Liberal Education Course | 4 |

Courses taken through the WRI can be evaluated for professional learning credits that may count toward a degree as free electives.

Suggested Registration Sequence

A.S. in Health Science – Medical Assistant

Dartmouth Health campus: (46 credits)

| Item # | Title | Credits |
|---------|---|---------|
| ALH 101 | Medical Terminology | 3.0 |
| ALH 102 | Introduction to Anatomy and Physiology | 3.0 |
| ALH 103 | Pathophysiology | 3.0 |
| ALH 105 | Communication for the Healthcare Professional | 2.0 |
| ALH 106 | Pharmacology | 3.0 |
| MA 101 | Clinical Medical Assistant Practices | 4.0 |
| MA 101L | Clinical Medical Assistant Practices Lab | 4.0 |
| MA 201 | Clinical Medical Assistant Practicum | 3.0 |
| CSC 210 | Introduction to Registered Apprenticeship | 3.0 |
| CSC 301 | Registered Apprenticeship I | 6.0 |
| CSC 302 | Registered Apprenticeship II | 6.0 |
| CSC 303 | Registered Apprenticeship III | 6.0 |

CSC online campus: (20 credits)

| Item # | Title | Credits |
|---------|----------------------------------|---------|
| WRT 101 | Introduction to Academic Writing | 4.0 |
| | Math Proficiency | 4 |
| | Liberal Education Course | 4 |
| IE 300 | Level Courses | 4.0 |
| PHI 305 | Biomedical Ethics | 4.0 |

**A maximum of two courses may double count for credit within the Liberal Education requirement and the program requirements.*

***Students take the CCMA certification exam on the final day of the medical assistant training program, prior to beginning their apprenticeship; all coursework must earn a 75% or higher to be eligible for the certification exam.*

+Students will enroll at CSC and be oriented to pathways to completion at the beginning of their training program.

Please contact the Director of Graduate and Professional Studies for individual advising.

A.S. in Health Science – Pharmacy Technician

Dartmouth Health campus: (48 credits)

| Item # | Title | Credits |
|----------|--|---------|
| ALH 101 | Medical Terminology | 3.0 |
| ALH 102 | Introduction to Anatomy and Physiology | 3.0 |
| ALH 103 | Pathophysiology | 3.0 |
| ALH 104 | Introduction to Healthcare | 2.0 |
| ALH 105 | Communication for the Healthcare Professional | 2.0 |
| ALH 106 | Pharmacology | 3.0 |
| PHT 101 | Pharmacy Technician Practices and Procedures | 3.0 |
| PHT 101L | Pharmacy Technician Practices and Procedures Lab | 2.0 |
| PHT 102 | Pharmacy Calculations | 3.0 |
| PHT 201 | Pharmacy Technician Practicum | 3.0 |
| CSC 210 | Introduction to Registered Apprenticeship | 3.0 |
| CSC 301 | Registered Apprenticeship I | 6.0 |
| CSC 302 | Registered Apprenticeship II | 6.0 |
| CSC 303 | Registered Apprenticeship III | 6.0 |

CSC campus: (20 credits)

| Item # | Title | Credits |
|---------|----------------------------------|---------|
| WRT 101 | Introduction to Academic Writing | 4.0 |
| | Math Proficiency | 4 |
| | Liberal Education Course | 4 |
| IE 300 | Level Courses | 4.0 |
| PHI 305 | Biomedical Ethics | 4.0 |

[ALH 102](#), [ALH 103](#), [ALH 104](#): These courses are taken after students earn certification

**A maximum of two courses may double count for credit within the Liberal Education requirement and the program requirements.*

***Students take the CPhT certification exam on the final day of the pharmacy technician training program, prior to beginning their apprenticeship; all coursework must earn a 75% or higher to be eligible for the certification exam.*

+Students will enroll at CSC and be oriented to pathways to completion at the beginning of their training program.

Please contact the Director of Graduate and Professional Studies for individual advising.

A.S. in Health Science – Surgical Technologist

Dartmouth Health Campus: (92 credits)

| Item # | Title | Credits |
|---------|--|---------|
| AHS 101 | Surg Tech Terminology | 3.0 |
| AHS 200 | Surgical Anatomy and Physiology I (+ Lab) | 4.0 |
| SUR 101 | Perioperative Patient Care | 4.0 |
| SUR 102 | Perioperative Patient Care II | 6.0 |
| SUR 103 | Aseptic Lab | 12.0 |
| AHS 300 | Surgical Anatomy and Physiology II (+ Lab) | 4.0 |
| SUR 200 | Microbiology | 4.0 |
| SUR 201 | Surgical Procedures I | 4.0 |
| SUR 202 | Surgical Procedures I Clinical | 12.0 |
| SUR 300 | Pharmacology | 3.0 |
| SUR 301 | Surgical Procedures II | 4.0 |
| SUR 302 | Surgical Procedures II Clinical | 12.0 |
| SUR 400 | Professional Success Development | 1.0 |
| SUR 401 | CST Review | 3.0 |
| SUR 402 | Surgical Specialties III | 4.0 |
| SUR 403 | Surgical Specialties III Clinical | 12.0 |
| CSC 210 | Introduction to Registered Apprenticeship | 3.0 |
| CSC 301 | Registered Apprenticeship I | 6.0 |
| CSC 302 | Registered Apprenticeship II | 6.0 |
| CSC 303 | Registered Apprenticeship III | 6.0 |

CSC Campus (24 credits)

| Item # | Title | Credits |
|---------|---------------------------------------|---------|
| BIO 205 | Human Anatomy and Physiology I (+lab) | 4.0 |
| WRT 101 | Introduction to Academic Writing | 4.0 |
| | Math Proficiency | 4 |
| | Liberal Education Course | 4 |
| IE 300 | Level Courses | 4.0 |
| PHI 305 | Biomedical Ethics | 4.0 |

AHS 101, BIO 205: These courses are prerequisites for the surgical technologist program

**A maximum of two courses may double count for credit within the Liberal Education requirement and the program requirements.*

***Students take the NBSTSA certification exam on the final day of the surgical technologist training program; all coursework must earn a 75% or higher to be eligible for the certification exam.*

+Students will enroll at CSC and be oriented to pathways to completion at the beginning of their training program.

Please contact the Director of Graduate and Professional Studies for individual advising.