

# CYTOTECHNOLOGY

The Cytotechnology Program was created by the Wisconsin State Laboratory of Hygiene in 1957 and is currently part of the Laboratory of Genetics within the College of Agricultural and Life Sciences (CALS) at the University of Wisconsin-Madison. Cytotechnology is the study of cells obtained from body tissues. Through intensive microscopic examination, cytotechnologists discern minute cellular alterations to differentiate malignant from normal cells.

Participants are UW-Madison students in University Special student status. Students who successfully complete the 50-week Cytotechnology Program receive a certificate in cytotechnology from UW-Madison. They may also become an CT(ASCP) by passing the ASCP Board of Certification Examination.

The program is divided into three terms. During the first two terms, the 38-hour weeks consist of lectures, discussions, quizzes, and approximately 25 hours of microscopy. Students complete a series of comprehensive examinations aimed at testing their knowledge of cytopathology at the end of the second term. The third term is devoted to supervised microscopy of clinical specimens. Students also rotate through various clinical settings associated with the practice of clinical cytology, which provides practical experience in the areas of advanced laboratory procedures, quality assurance, and cytogenetics.

## HOW TO GET IN

### ADMISSION ELIGIBILITY CRITERIA

#### POST-BACCALAUREATE CERTIFICATE PROGRAM

A minimum overall GPA of 2.5 on a 4.0 scale is required.

Recommended preparation for students who will have received their Bachelor's degree prior to the start of the program:

- 20 credits of science (biology and chemistry courses preferred)
- 3 credits of mathematics or statistics
- A minimum grade point average (GPA) of 3.0 on a 4.0 scale in science coursework

There is currently no option for advanced placement, or counting outside coursework toward program requirements.

#### 3+1 BACHELOR'S PROGRAM

Prospective students may be accepted into the Program after completing three years of undergraduate coursework with an affiliated college or university (<https://cytotechprogram.wisc.edu/academic-affiliations/>) within the affiliate institution's cytotechnology track. This coursework must include a minimum of:

- 28 credits of biological science and chemistry
- 3 credits of mathematics or statistics

Favorable consideration will be given to applicants with an above average academic record and recommendation.

Students in the 3+1 program enroll at UW-Madison as Special Students.

## APPLICATION PROCESS

Applications are due by March 1 for full consideration for the incoming class that starts in August. Applications must include all official college transcripts (not just your most recently attended school) and three letters of recommendation. Interviews are conducted in March and April, and decisions are made in May for an August start. If a class does not fill, late applications and interviews may continue until July.

You may apply online (<https://cytotechprogram.wisc.edu/application-procedure/>) for the program. If admitted to the program you will also be required to submit a UW-Madison special student application to gain student status and become eligible to enroll in your courses.

## REQUIREMENTS

Code	Title	Credits
<b>Fall</b>		
GENETICS 470	Basic Cytology and Laboratory Procedures	1
GENETICS 570	The Female Reproductive System	8
GENETICS 571	Clinical Practice I	1
GENETICS 572	The Respiratory System	3
GENETICS 573	The Genitourinary System	2
<b>Spring</b>		
GENETICS 471	Advanced Laboratory Procedures	1
GENETICS 568	The Central Nervous System	1
GENETICS 569	The Breast	1
GENETICS 574	The Gastrointestinal System	3
GENETICS 575	Miscellaneous Systems	3
GENETICS 576	Effusions	2
GENETICS 577	Applied Cytology I	1
GENETICS 670	Seminar in Clinical Cytogenetics	1
GENETICS 672	Seminar in Laboratory Operations and Quality Control	1
GENETICS 673	Seminar in Clinical Cytology	1
<b>Summer</b>		
GENETICS 578	Applied Cytology II	1
GENETICS 671	Advanced Clinical Practice	8
<b>Total Credits</b>		<b>39</b>

## LEARNING OUTCOMES

1. Establish the biological and medical background knowledge necessary to understand the clinical significance of cytologic diagnoses and related ancillary tests
2. Become proficient in screening of gynecologic and nongynecologic slides for rare findings, including developing the accuracy and speed expected by future employers
3. Develop diagnostic accuracy and speed as expected by future employers
4. Demonstrate professional and ethical standards of conduct within the medical laboratory

## CERTIFICATION/LICENSURE

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ASCP Board of Certification Examination (<https://www.ascp.org/content/board-of-certification/>)

### PROFESSIONAL CERTIFICATION/LICENSURE DISCLOSURE (NC-SARA)

The United States Department of Education requires institutions that provide distance education to disclose information for programs leading to professional certification or licensure about whether each program meets state educational requirements for initial licensure or certification. Following is this disclosure information for this program:

#### **The requirements of this program meet Certification/Licensure in the following states:**

Alabama, Arizona, Colorado, Illinois, Washington, Wisconsin

#### **The requirements of this program do not meet Certification/Licensure in the following states:**

Not applicable

#### **The requirements of this program have not been determined if they meet Certification/Licensure in the following states:**

Alaska, Arkansas, California, Connecticut, Delaware, Florida, Georgia, Hawaii, Idaho, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, West Virginia, Wyoming; District of Columbia; American Samoa, Guam, Northern Mariana Islands, Puerto Rico, U.S. Virgin Islands

## ACCREDITATION

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Commission on Accreditation of Allied Health Education Programs<sup>1</sup>

Accreditation status: Accredited. Next accreditation review: 2023.

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On recommendation of the Cytotechnology Programs Review Committee, sponsored by the American Society of Cytology.