

Career Pathways for Anatomic Pathology

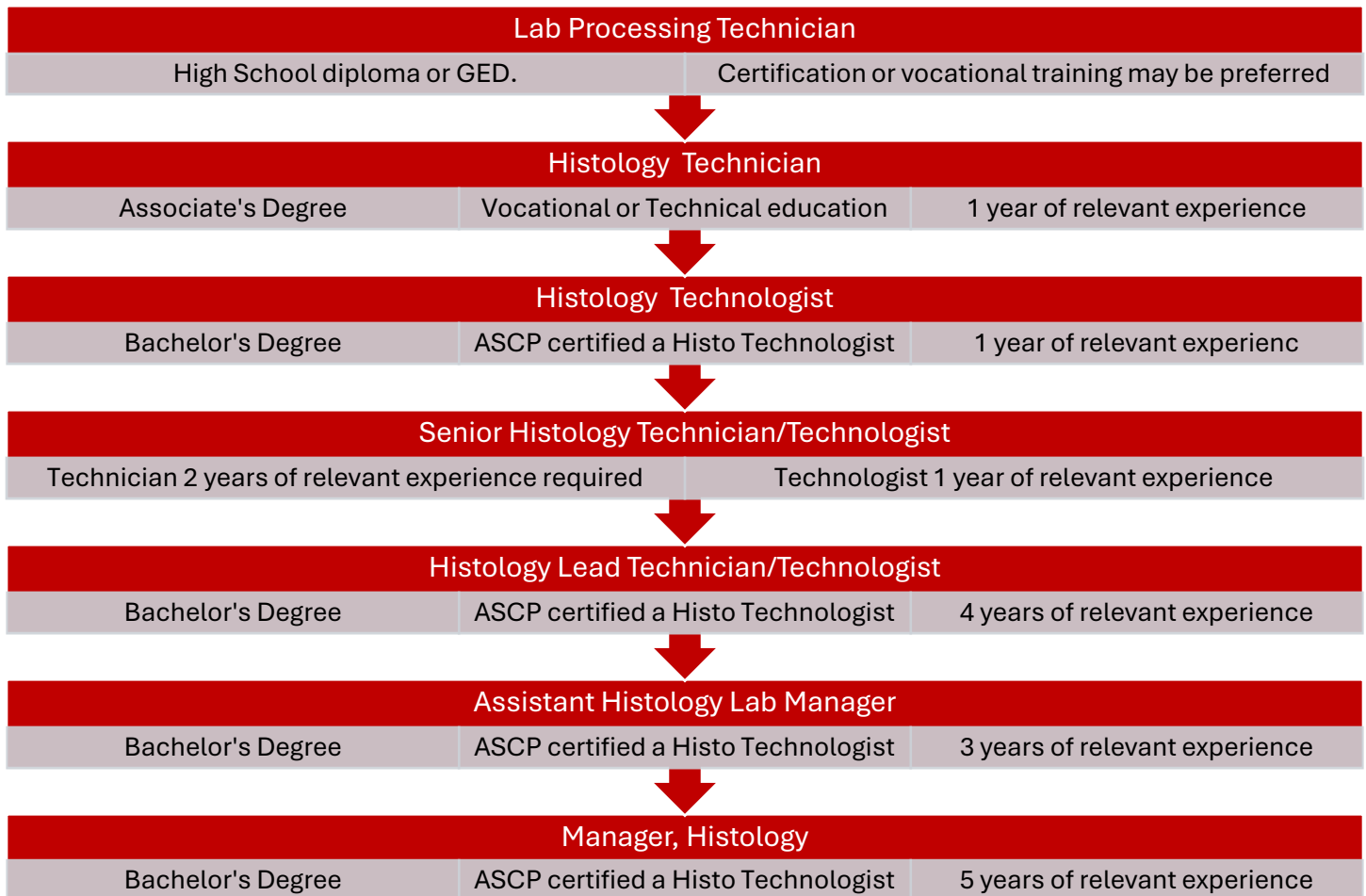
Histology: The OSUWMC Histology laboratory is a large operation spanning 3 shifts. Histotechnicians receive and process formalin-fixed tissues from numerous laboratories including Autopsy, Surgical Pathology, Renal, and from external organizations throughout the state. Using processors, microtomes, stainers, and cover-slippers, the Histology team employs both manual and automated processes to produce high quality microscope slides using routine and special histochemical slide staining techniques. In the descriptions below:

Primary Operations:

Block Processing	Asset Tracking & Archival
Block Embedding	Request Processing
Block Microtomy	Slide Staining – Automated
Quality Assessment	Slide Staining – Manual

Bachelor's degree in Medical Laboratory Technology, Biological Sciences or related field.

ASCP= American Society for Clinical Pathology



Career Pathways for Anatomic Pathology

Immunohistochemistry: Working in conjunction with the Histology laboratory, the Immunohistochemistry laboratory (IHC) receives countless requests from OSUWMC pathologists and externally-operating pathologists to produce microscope slides with state-of-the-art immunostaining techniques. Expertly applying antibodies, via manual application and automation, to surgical tissues allows for the identification, localization, and visualization of various cellular components.

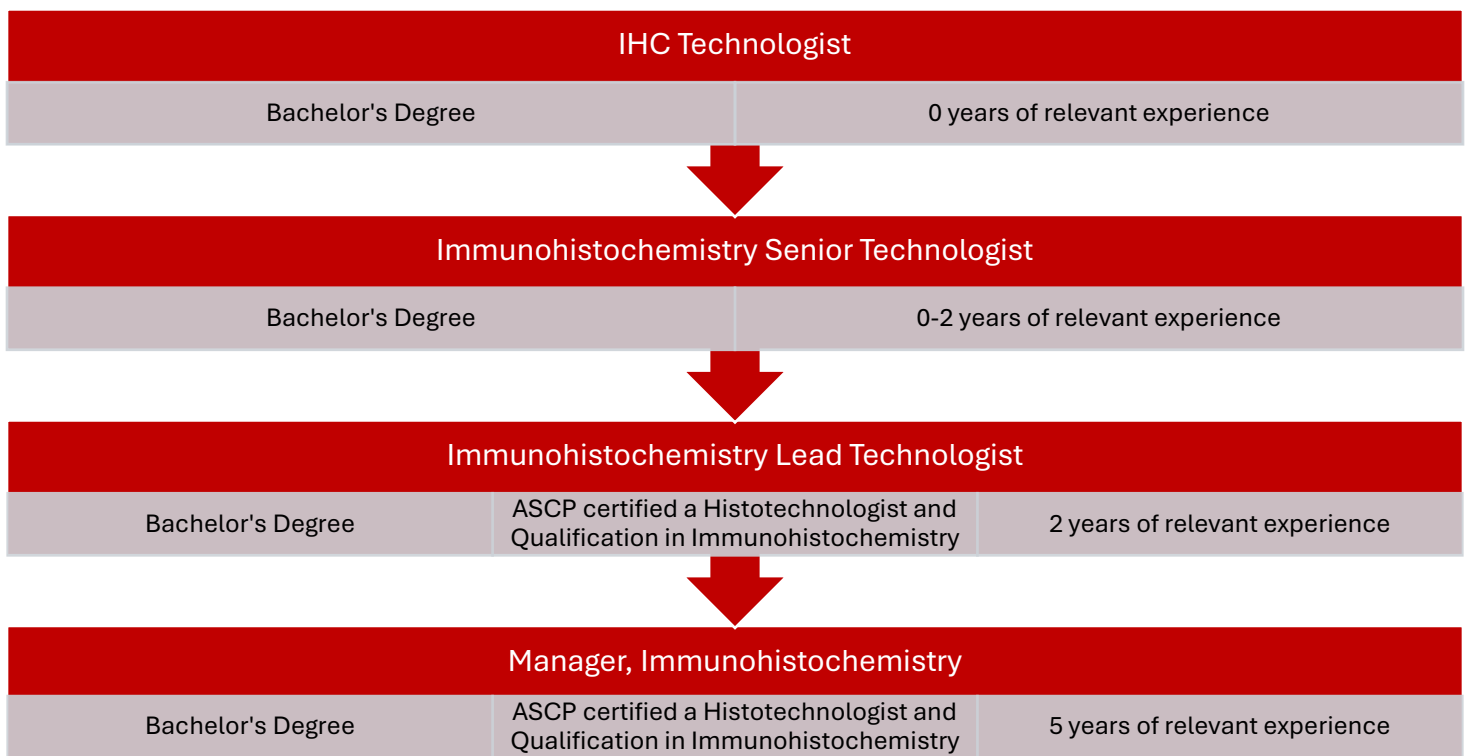
Primary Operations:

Slide Processing	Asset Tracking & Archival
Block Processing	Quality Assessment
Slide Staining – Automated/Manual	Request Processing
Billing Processes	Antibody Maintenance & Testing

In the descriptions below:

Bachelor’s degree in Medical Laboratory Technology, Biological Sciences or related field.

ASCP= American Society for Clinical Pathology



Career Pathways for Anatomic Pathology

Autopsy:

The Department of Pathology is home to the Regional Autopsy Center (RAC). In addition to OSUWMC autopsies, the RAC accepts autopsy requests from contract organizations, non-contract organizations, and private individuals throughout the state. Performing between 200 and 300 autopsies per year, the RAC contributes to research procurement in addition to producing detailed autopsy reports offering immediate and underlying causes of death, analysis of unknown disease processes, and genetic implications.

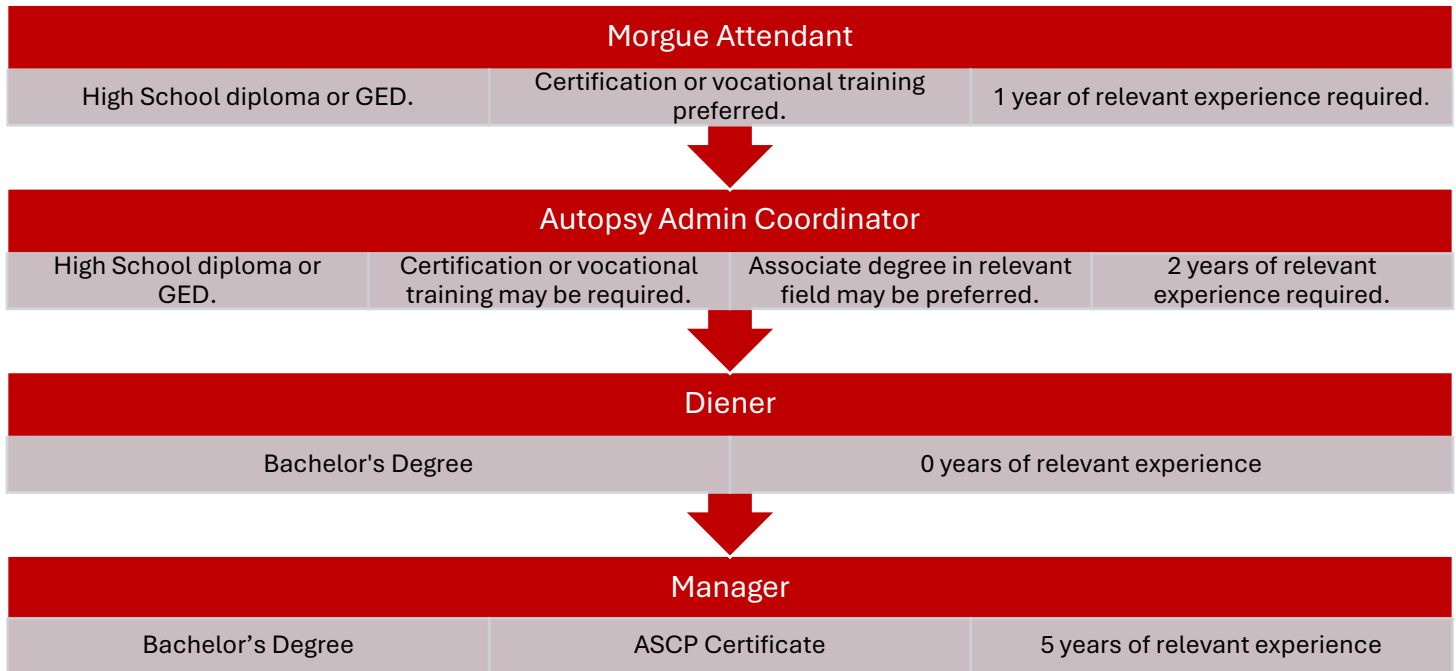
Primary Operations:

Consent Processing	Education of Residents & Students
Gross Evisceration & Dissection	Shipping & Receiving
Supporting Document Review & Preparation	Asset Tracking & Archival
Report Preparation & Editing	Postmortem Data-processing
Case Accessioning	Client Support
OSUWMC Morgue Receipts & Releases	Billing Processes

In the descriptions below:

Bachelor's degree in Medical Laboratory Technology, Biological Sciences or related field.

ASCP= American Society for Clinical Pathology



Career Pathways for Anatomic Pathology

Cytology: The Division of Cytopathology (Cytology) at OSUWMC currently performs diagnostic testing on approximately 30,000 GYN and Non-GYN cases per year. GYN cytology includes liquid-based and conventional specimens. Non-GYN cytology includes specimens such as CSF, body cavity fluids, bronchial washings/brushings/BALs, urine, washings and brushings from other body sites, and specimens collected by fine needle aspiration.

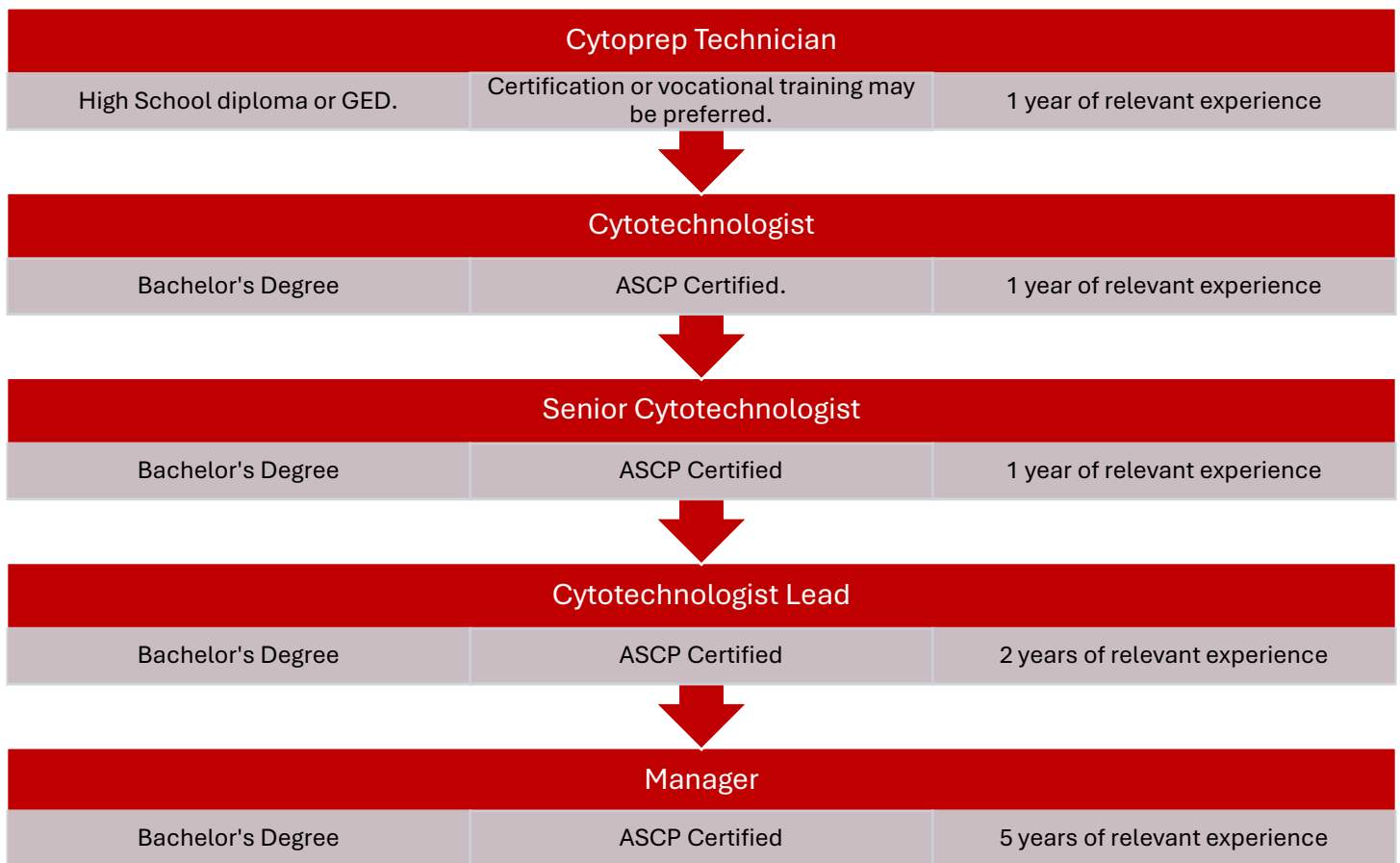
Primary Operations:

Specimen Collection	Specimen Preparation & Processing
Case Accessioning	Asset Tracking & Archive
Rapid On-Site Evaluation (ROSE)	Specimen Screening & Resulting
Education of Residents & Students	Client Support
Shipping & Receiving	Billing Processes

In the descriptions below:

Bachelor's Degree= in Cytotechnology, Biology, Medical Technology or related field.

ASCP Certified= ASCP= American Society for Clinical Pathology



Career Pathways for Anatomic Pathology

Pathology Gross Room: Surgical Pathology receives, triages and accessions gross (macroscopic) examination of all complexity of surgical resections and biopsies. Responsible for frozen section processing and gross assessments for intraoperative consultations, as well as, autopsy prosection. All tasks are performed with the goal of making a definitive diagnosis of a patient's disease.

Primary Operations:

Case Accessioning	Report Preparation & Editing
Gross Dissection	Asset Tracking & Archival
Resident & Student Education	Billing Processes
Advanced Dissections & Testing	Frozen Section Preparation & Staining

In the descriptions below:

Associate's Degree in Medical Lab Technology or a science-related field.

Bachelor's Degree= from an accredited Pathologist Assistant Program.

ASCP Certified= American Society of Clinical Pathology Certified in Pathologist Assistant.

