Kinetic Imaging suggested Computer and Equipment list
http://arts.vcu.edu/computers/

Required:
- Computer
- Digital SLR camera with video capability
- External hard drive for backup (at least 2 terabyte suggested)
  - Lacie, OWC Mercury, Western Digital to name a few
- Adobe Creative subscription student rate
- Over-the-ear studio headphones
  - Sennheiser, Sony, Audio technica
- 16GB SD card (you will use this many, many times)

Recommended:
- Tripod
- 16GB USB memory stick (thumb drive)
- 4GB SD micro card
- Audio recording equipment (Zoom H4n)
- HDMI cord 6’-16’
- HDMI to thunderbolt adapter
- VGA to thunderbolt adapter
- If applicable: USB C to HDMI adapter
- projector or monitor for displaying work

What computer to buy?
Can be a MAC or PC, desktop or laptop with most up to date operating system.
Animation, Video and Sound classrooms have MAC computers; 3D modeling and animation classroom uses PC computers (Dell), running Autodesk Maya.

RamTech provides computers specific to Kinetic imaging standards. They also provide a trade in option.
https://ramtech.lightspeedwebstore.com/so-arts-kinetic-imaging

Computer specifications – look at online system requirements for Adobe After Effects and Autodesk Maya
- Intel Core i5 Processor (i7 processor suggested) AMD Phenom II processor (PC)
- 8 - 16 GB RAM or more (16GB recommended)
- Large capacity solid state hard drive (SSD) – 250 GB / more space has better performance
- Hard drive speed SATA 3, 7200 mps
- Graphics card is important- discrete graphics (not integrated)
  - look at software certified cards, online
- USB 3.0 ports
- OpenGL 2.0–capable system
- Adobe and Maya certified Open GL graphics card

Software: (get student discount via Journeyed.com)
- Adobe Premiere ( Final Cut X could be substituted but not taught in class)
- Adobe Creative Cloud (After Effects, Photoshop, Premiere)

External hard drive: An external hard drive is a must! – 2 TB or more is recommended, and one that is portable. A second hard drive is recommended to backup your files.

SD Cards:
- 16-32gb Class 10
- micro SD card 16-32gb class 10

Video Camera –
A great source for purchasing camera and related equipment - B&H Photo and Video (bhphotovideo.com – go to Students/Educators tab at top, for student pricing.) look for something
that shoots 1920 x 1080p (Full HD)  
1280 x 720p (HD), 640 x 480p (SD). consider 4k options with higher frame rate capturing.

Camera technology changes rapidly. It is recommended that you wait until entry into the  
department, use some of the cameras that are available for rental and talk with your instructors.  
The cameras listed below are DSLR cameras, which work on the animation stand as well as for  
video.

**DSLR camera recommendations as of April 2018 (at bhphotovideo.com):**

- Nikon D3400 ($549 with 18-55mm lens)
- Nikon D3300 ($397 with 18-55mm kit lens)
- Canon Rebel SL1 ($549 with 18-55mm lens)
- Canon Rebel T6 ($449 with 18-55mm lens)
- Canon Rebel T5 ($799 with 18-55mm lens)
- Olympus OM-D E-M10 ($549 with 14-42mm lens)

**Audio Recording Devices (at bhphotovideo.com)**

- Zoom h4n pro (has xlr input capable $199)
- Tascam DR-40 4-Track Handheld Digital Audio Recorder (xlr capable $180)

**information about Student Computer Initiative**

http://www.vcu.edu/sci/