



OREGON COAST

COMMUNITY COLLEGE

Technology Replacement
Plan

Updated August 6th, 2019

Table of Contents

- I. Executive Summary
- II. Current Environment
- III. Replacement Criteria for Computers and Related Equipment
- IV. Recommended Configurations
- V. Liquidation

Executive Summary

Oregon Coast Community College populated the labs, desktops, servers, software, and peripherals when the new building populated in 2009. There have been a few grants and initiatives over the years that have refreshed the technology in the labs, and those hardware refreshes have helped keep the College current and up to date.

Beginning in 2014, the Information Technology department began a systematic assessment of the current state of technology at the College, and has been replacing those hardware and software items most needed. Our current 4-year replacement strategy is to have 25% of the working technological equipment replaced each year, with the oldest/most troublesome equipment being replaced first in any given year.

The IT hardware and software budget in 2017-18 was \$50,000 for equipment (under \$5000), and \$10,000 for software subscriptions and maintenance.

Current Environment

Currently, on the Oregon Coast Community College campus, there are

- 219 Desktop computers
- 45 Laptop computers (12 in active use)
- 40 Printers
- 8 Mobile AV Carts
- 6 Teleconferencing Rooms

Of the 219 Desktop computers, 40 are slated for replacement this year. The new teleconferencing rooms are replacing areas where the mobile AV carts were used most frequently, and the constituents report a regular need for remote conferencing services.

Replacement Criteria for Computers and Related Equipment

The criteria to replace computers and related equipment will be reviewed annually by the Technology Advisory Group. The current criteria for replacement are

- Age and model of computer. In 2018, below an Intel Core-series processor triggers examination and possible replacement. A BIOS older than 2010 is also an indication of end-of-life for computing equipment. Computers that were on the cusp of acceptability in 2018 were outfitted with more RAM and Solid State Drives (SSDs). That upgrade has proven adequate to extend the life of these less-capable units.
- Computers with 4Gb of memory or less will be replaced.
- More than 4 repairs in a calendar year. If there is some indication that, even after repair, there are continuing problems, the equipment should be replaced.
- Any monitor with a resolution less than 1280x1024 will be replaced, unless there is a well-defined need for a lower resolution (TTY, terminal emulation, DOS, etc.)
- Change in operational needs. If there is an indication that a resource is no longer meeting the needs of the students, faculty, or staff, that resource will be examined and possibly replaced with a similar piece of equipment that will meet the current needs.

Recommended Configurations

Desktop computers running Windows 10 run best with

- At least a dual-core processor, 4 cores for more rigorous multitasking.
- At least 8Gb of RAM, with 16 preferred for best and most reliable work.
- A monitor at 1920x1080 resolution. Any monitor with a resolution less than 1280x1024 will be replaced, unless there is a special need for a lower resolution.

Liquidation

Equipment that has reached its end of life, where the ongoing costs of maintenance and productivity outweigh the resources gained from the equipment, will be liquidated in accordance with State of Oregon procedures and the processes detailed in any grant that may govern the use of the equipment.