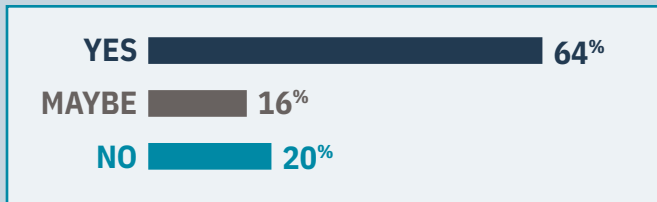# 2020 IMPACT DATA ▶▶▶

Portland Community College

TECHNOLOGY (spring & fall 2020)

In 2020, access to technology has a significant impact on student success. The COVID-19 pandemic has eliminated access to computer labs

▶▶ Do you have access to a PC that meets the minimum specs for ArcPro at home?

- **YES** — **64%**
- **MAYBE** — **16%**
- **NO** — **20%**
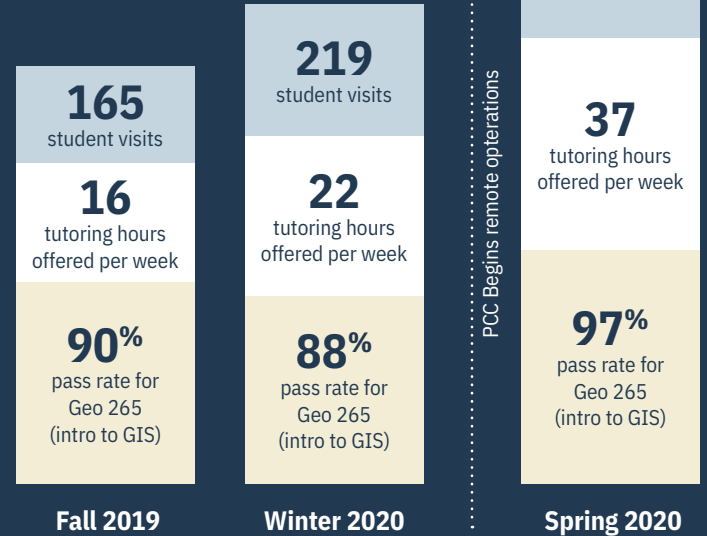
▶▶ Of the students who had a MAC:

94% *do not have enough space on their computers to run parallels or bootcamp*

▶▶ Overall:

26% *of students could not complete coursework without checking out a laptop from PCC Geo dept.*
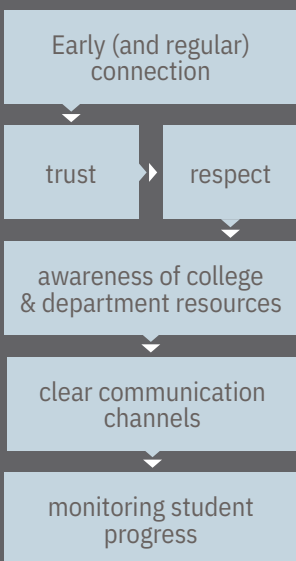
TUTORING

Moving to remote operations due to the COVID-19 pandemic allowed us to offer more tutoring hours in spring 2020.

PCC Begins remote opterations

Fall 2019
- **165** student visits
- **16** tutoring hours offered per week
- **90%** pass rate for Geo 265 (intro to GIS)

Winter 2020
- **219** student visits
- **22** tutoring hours offered per week
- **88%** pass rate for Geo 265 (intro to GIS)

Spring 2020
- **276** student visits
- **37** tutoring hours offered per week
- **97%** pass rate for Geo 265 (intro to GIS)

ADVISING
Inclusive & proactive advising model

PROCESS INCLUDES

Early (and regular) connection
→ trust ▶ respect
→ awareness of college & department resources
→ clear communication channels
→ monitoring student progress

3 PILLARS/FOCUS:

1 HOLISTIC (advisors, tutors, instructors)

2 STUDENT-CENTERED (advisors, tutors, instructors)

3 ADAPTIVE (evolves to meet student needs)

CURRICULUM

3-course UAS sequence:
Geospatial UAS Specialist Certificate
1. Geo 248 – Fundamentals of Drone Operations
2. Geo 252 – Geospatial Modeling with Drones I
3. Geo 254 – Geospatial Modeling with Drone II

Bridging Engineering & Geospatial with new course:
Geo 260 – Boundary Surveys & Maps

Making the curriculum more accessible to a broader range of students through:

▶▶▶ Project-based curriculum focused on social & environmental justice, and community issues

▶▶▶ Designing curriculum to be inclusive, project-based, and use cutting-edge technology; this applied approach can change how students learn geospatial tools and workflows.

GIS Geographic Information Systems