COE Student Computer Classrooms, Labs and Support Centers

12/7/2017

AIRO, (http://www.montana.edu/airo/), and EMPower, (http://www.montana.edu/empower/)

- Support/success centers for American Indian Research Opportunity and Supporting Diversity in Science and Engineering.

RB 312
Availability: 24/7, restricted access via keypad used by AIRO/EMPower affiliates

- 4 Dell Optiplex 9010 desktop computers
- 1 network color printer

RB 313
Availability: 24/7, restricted access via keypad used by AIRO/EMPower affiliates

- 6 Dell Optiplex 9010 desktop computers
- 1 network printer

Engineering Mechanics Tutoring Room

RB 317
Availability: Mon-Fri, 9AM-5PM, restricted by keypad not given to students

- 6 Dell Precision T3500 desktop computers (reallocated computers)
Chemical and Biological Engineering

CB 326 ([http://www.coe.montana.edu/it/chbe-labs.html](http://www.coe.montana.edu/it/chbe-labs.html))
Availability: 24/7, restricted access to via keypad used by Undergrads and Grads
Department scheduled for course related help sessions
- 32 Dell Optiplex 7050 desktop computers
- 1 Dell Optiplex 9020 instructor computer w/overhead projector
- 1 color network printer
- 1 black/white network printer
- Light scheduling with some labs.

CB 330 (CHBE conference room)
Availability: Restricted access via department issued key
Scheduled by Department
Used by some Research Lab groups
- 1 Dell Optiplex 9020 computer with overhead projector
- Software should match CB 326 computers
- Used for small classes and student groups in addition to normal conference room use.
Civil Engineering Department

**CB 210 Tait Lab**  [http://www.coe.montana.edu/it/software_ce.html](http://www.coe.montana.edu/it/software_ce.html)
Availability: 24/7, restricted access via keypad
Used by the following classes and open otherwise:
- ECIV 202-001, Enrollment 32 (Fall 2017)
- ECIV 309-001, Enrollment 30 (Fall 2017)
- ECIV 350-002, Enrollment 20 (Fall 2017)
- ECIV 350-003, Enrollment 20 (Fall 2017)
- ECIV 202-001, Enrollment 39 (Spring 2018)
- ECIV 202-002, Enrollment 39 (Spring 2018)
- ECIV 350-002, Enrollment 20 (Spring 2018)
- ECIV 350-003, Enrollment 22 (Spring 2018)
- 40 Dell Precision 3420 desktop computer.
- 1 Epson Scanner 4460 direct attached to 1 desktop computer.
- 1 HP LaserJet M602 black/white network printer.
- 1 HP LaserJet M712 11x17 black/white network printer.
- 1 HP LaserJet M553 color network printer.
- Lightly scheduled with CE classes.

**CB 426 Transportation Lab**
Availability: 24/7, restricted access via keypad
- 10 Dell Precision 3420 desktop computers.
- 10 Control Interface Devices (Traffic Counters).
- 10 Econolite Devices.
- 1 HP LaserJet 5100 11x17 network printer.
- Lightly scheduled with CE classes.

**CB 201 – Dodge Conference Room**
Availability: 24/7, restricted access via key issued by department
- 1 Dell Optiplex 9010 desktop computer in podium. Software should match CB210.
- Overhead projector.
- Sometimes used for small classes or student projects.
Computer Science Department/Gianforte School of Computing

BH 254  (http://www.coe.montana.edu/it/cs-labs.html)
Availability - 24/7, unrestricted access
Open use, and department related events (Hour of Code, Summer Camps, etc)

- 14 Dell Precision 3620 computers with 27” monitors spread across 4 tables
- Each pod of 4 computers connected via HDMI switch to HDTV on wall.
- 1 HP P4515 black/white network printer.
- Epson PowerLite 585 short throw projector.
- Glass whiteboards.
- Lightly scheduled with CS course labs, but left open 24/7 when no classes scheduled.

BH 259  (http://www.coe.montana.edu/it/cs-labs.html)
Availability - 24/7, unrestricted access
Open use, and department related events (Hour of Code, Summer Camps, etc)

- Student Success Center. Attached to BH254.
- 4 Dell Precision 3620 computers with 27” monitors.
- Glass whiteboards.
- Not scheduled for classes, left open 24/7 for student use.

BH 348 – Graduate Lab
Availability - 24/7, restricted access by key (issued to CS grads)

- 6 Dell Precision 3620 computers with 24” monitor.
- Not scheduled for classes. Open to graduate students 24/7.

BH 109 – Robotics Lab
Availability - 24/7, restricted access by keypad given to enrolled undergrads

- 10 Dell Optiplex 980 computers with 21” monitors (reallocated computers)
- Used for CS robotics labs (enrollment got too big and lectures are elsewhere)
**BH 110 – Optics Lab**

Availability: 24/7, restricted access via keypad. Used by the following classes

- EELE482-001, Enrollment 13 Fall 2017
- EELE482-002, Enrollment 7 Fall 2017
- EELE482-003, Enrollment 6 Fall 2017
- EELE581-001, Enrollment 13 Fall 2017
- EELE432-001, Enrollment 8 Spring 2018
- EELE461-001, Enrollment 3 Spring 2018
- EELE561-001, Enrollment 5 Spring 2018
- EELE583-001, Enrollment 5 Spring 2018
- PLTT101-001, Enrollment 3 Spring 2018

- 4 Optical stations that each include
  - Dell Optiplex 960
  - Optical Table
  - DC Power Supply
  - Laser Diode Controller
  - Digital Multimeter
  - Optical Power Meter
  - Oscilloscope
  - Function Generator

- Scheduled with ECE and Gallatin College Classes.

**CB 601 – Digital Lab**

Availability: 24/7, restricted access via keypad. Used by the following classes

- EELE371-002, Enrollment 19 Fall 2017
- EELE371-003, Enrollment 20 Fall 2017
- EELE371-004, Enrollment 27 Fall 2017
- EELE371-005, Enrollment 21 Fall 2017
- EELE371-006, Enrollment 18 Fall 2017
- EELE371-007, Enrollment 7 Fall 2017
- EELE475-002, Enrollment 18 Fall 2017
- EELE475-003, Enrollment 9 Fall 2017
- ETEC245-001, Enrollment 4 Spring 2018
- EELE367-002, Enrollment 24 Spring 2018
- EELE367-003, Enrollment 24 Spring 2018
- EELE367-004, Enrollment 14 Spring 2018
- EELE465-002, Enrollment 19 Spring 2018
- EELE465-003, Enrollment 15 Spring 2018
- EELE466-002, Enrollment 24 Spring 2018
- EELE477-002, Enrollment 14 Spring 2018
12 stations that each include

- Dell Precision T1700 desktop computer.
- Mixed Signal Oscilloscopes
- HP LaserJet 4250 black/white network printer.
- Scheduled with ECE lab heavy.

CB 602 – Circuits Lab

Availability: 24/7, restricted access via keypad. Used by the following classes
ETEC101-001, Enrollment 10 Fall 2017
EELE101-003, Enrollment 21 Fall 2017
EELE101-004, Enrollment 25 Fall 2017
EELE101-005, Enrollment 28 Fall 2017
EELE101-006, Enrollment 28 Fall 2017
EELE101-008, Enrollment 27 Fall 2017
EELE101-009, Enrollment 27 Fall 2017
EELE101-010, Enrollment 20 Fall 2017
EELE101-011, Enrollment 27 Fall 2017
EELE101-015, Enrollment 13 Fall 2017
EELE101-016, Enrollment 14 Fall 2017
EELE201-002, Enrollment 16 Fall 2017
EELE201-003, Enrollment 21 Fall 2017
EELE201-004, Enrollment 22 Fall 2017
EELE201-005, Enrollment 20 Fall 2017
EELE250-003, Enrollment 29 Fall 2017
EELE250-006, Enrollment 21 Fall 2017
EELE250-007, Enrollment 24 Fall 2017
EELE101-002, Enrollment 21 Spring 2018
EELE101-003, Enrollment 8 Spring 2018
EELE101-004, Enrollment 10 Spring 2018
EELE101-005, Enrollment 19 Spring 2018
EELE201-002, Enrollment 13 Spring 2018
EELE201-003, Enrollment 17 Spring 2018
EELE203-002, Enrollment 21 Spring 2018
EELE203-003, Enrollment 21 Spring 2018
EELE203-004, Enrollment 21 Spring 2018
EELE203-005, Enrollment 17 Spring 2018
EELE250-002, Enrollment 26 Spring 2018
EELE250-003, Enrollment 26 Spring 2018
EELE250-004, Enrollment 26 Spring 2018
EELE250-005, Enrollment 25 Spring 2018
EELE250-006, Enrollment 26 Spring 2018
EELE250-007, Enrollment 26 Spring 2018
- 14 stations that each include
  o Dell Optiplex 980 desktop computer
  o Oscilloscope
  o Signal Generator
  o Multimeter
  o 3-output power supply
- Scheduled with ECE labs heavy.

**CB 620** – Logics and Electronics Lab

Availability: 24/7, restricted access via keypad. Used by the following classes
ETEC250-001, Enrollment 7 Fall 2017
EELE250-002, Enrollment 25 Fall 2017
EELE250-004, Enrollment 25 Fall 2017
EELE250-005, Enrollment 21 Fall 2017
EELE261-002, Enrollment 23 Fall 2017
EELE261-003, Enrollment 23 Fall 2017
EELE261-004, Enrollment 25 Fall 2017
EELE261-005, Enrollment 22 Fall 2017
EELE317-002, Enrollment 26 Fall 2017
EELE317-003, Enrollment 24 Fall 2017
EELE317-004, Enrollment 25 Fall 2017
EELE317-005, Enrollment 24 Fall 2017
ETEC113-001, Enrollment 6 Spring 2018
EELE261-002, Enrollment 17 Spring 2018
EELE261-003, Enrollment 16 Spring 2018
EELE261-004, Enrollment 12 Spring 2018
EELE445-002, Enrollment 14 Spring 2018
EELE445-003, Enrollment 14 Spring 2018
EELE445-004, Enrollment 14 Spring 2018
EELE445-005, Enrollment 7 Spring 2018

- 12 stations that each include
  o Dell Optiplex 9020
  o Oscilloscope
  o Signal Generator
  o Multimeter
  o 3-output power supply
- 4 Real-Time Spectrum Analyzers
- 3 Curve Tracers
- Scheduled with ECE labs heavy.

**CB 625** – Computer Lab (http://www.coe.montana.edu/it/software_ece.html)

- 23 Dell Precision T1700 desktop computers.
- 1 HP LaserJet M602 black/white printer.
- 1 HP LaserJet M553 color network printer.
- 1 Epson Scanner 2400 Photo direct attached to one desktop computer.
- Occasionally scheduled for classes. Open otherwise.
Mechanical and Industrial Engineering

**BH 115** – Computer Integrated Manufacturing Lab
([http://www.montana.edu/ie/facility/cimlab/index.html](http://www.montana.edu/ie/facility/cimlab/index.html))
Availability: 24/7, restricted access via key issued by department
Used by the following classes:
EIND 371 / Enrollment 36 (2017)
- 11 Dell Precision T1700 desktop computers.
- 2 FANUC six-axis robots.
- Bosch conveyance system controlled by Allen-Bradley SLC 5/03 programmable logic controller.
- Scheduled for classes.

**BH 129** – Mechanical Design Laboratory
([http://www.montana.edu/me/facilities/designlab/index.html](http://www.montana.edu/me/facilities/designlab/index.html))
Availability: 24/7, restricted access via keypad
Used by the following classes
ETME 423 / Enrollment 6 (2018)
EMEC 403 / Enrollment 60 (2018)
ETME 303 / Enrollment 27 (2018)
ETME 202 / Enrollment 16 (2018)
EMEC 103 / Enrollment 25 (2018)
ETME 410 / Enrollment 30 (2018)
ETME 340 / Enrollment 44 (2017)
- 33 Dell Precision T1700 desktop computers with dual monitors. One is instructor station.
- Overhead projector with screen.
- 1 HP black/white network printer.
- Heavy class scheduling. Open to students when no classes scheduled.
**BH 134** – CADD Laboratory (http://www.montana.edu/me/facilities/caddlab/index.html)
Availability: 24/7, restricted access via keypad
Used by the following classes
- EMEC 203 / Enrollment 24 (2018)
- EMEC 403 / Enrollment 33 (2017)
- ETME 303 / Enrollment 28 (2017)
- ETME 410 / Enrollment 28 (2017)

- 37 Dell Precision T3620 desktop computers with dual monitors. One is instructor station.
- Dual overhead projectors with screens.
- 2 3D printers directly attached to Dell Precision T3500 desktop computers.
- 1 3D scanner directly attached to Dell Precision T3500 computer.
- 1 HP black/white network printer.
- Heavy class scheduling during day. Open to students outside of schedule classes.

**BH 136** – Machining lab (http://www.montana.edu/me/facilities/machininglab/)
Availability: 24/7, restricted access via key issued by department
Used by the following classes
- ETME 430 / Enrollment 20 (2018)
- ETME 462 / Enrollment 20 (2018)

- 5 Dell Optiplex 990 desktop computers.
- 2 Dell Optiplex 9020 desktop computers.
- 1 Laser Cutter directly attached to Dell Precision T3400 desktop computer.
- 1 Robot Arm directly attached to Dell Optiplex 990 desktop computer.
- 1 black/white LaserJet network printer.
- Scheduled for classes. Open to students in MIE classes and MIE student groups when no classes.

**RB 220** – Portable Labs
Availability: Office Hours on weekdays via checkout

- 10 Dell Latitude E6530
- 22 Microsoft Surface Pro
- Used for classrooms w/o computers. Typically used in classrooms in Roberts Hall. Scheduled for class use. Surface Pro computer more heavily used than older Dell Latitude E6530 laptops. Students can use for projects if not scheduled for classes.

**RB 401** – Instrumentation Lab (http://www.montana.edu/me/facilities/measlab/index.html)
Availability: 24/7, restricted access via keypad
EMEC 361 / Enrollment 127 / 105 (2017)
EIND 509 / Enrollment 6 (2017)
EIND 510 / Enrollment 10 (2017)
- 22 Dell Latitude E6530 laptops.
- 1 Dell Precision T1700 instructor computer.
- Sensors and instruments typically used with LabView software
  (http://www.montana.edu/me/facilities/measlab/index.html)
- 1 LaserJet black and white network printer.
- Scheduled for classes. Students may use for projects when no classes scheduled.
RB 415 -- Ragsdale Production Systems and Facilities Design Laboratory
(http://www.montana.edu/ie/facility/faclab/index.html)
Availability: 24/7, restricted access via key issued by department

- 12 Dell Precision T1700 desktop computers.
- 1 LaserJet black/white network printer.
- Scheduled for classes, light/medium scheduling. Open outside of scheduled classes.

RB 419 – Decision Support Lab (http://www.montana.edu/ie/facility/dsslab/index.html)
Availability: 24/7, restricted access via keypad

- 10 Dell Precision T1700 desktop computers.
- 1 LaserJet black/white network printer.