

Facilities and Space Analysis

Introduction



The Ventura College Educational Master Plan is intended to guide planning decisions related to the institution's physical environment to facilitate the College's efforts to achieve the goals and objectives outlined in the Educational Master Plan.

Facilities factors outlined in this section are in accordance with Title 5 of the California Code of Regulations, Sections 57000-57033, which prescribes standards for the utilization and planning of most educational facilities in public community colleges. This chapter analyzes the current and projected facility needs, by type of space, looking at:

- Historical and projected enrollment data
- Existing and planned space inventories
- A projection of facility needs for selected milestone years between 2009 and 2024, by type of space and by discipline as identified in the State's "Taxonomy of Education Programs" (TOP)
- Present and planned space compared to current headcount data and formula-based state standards or, where there are no state standards, appropriate benchmarks
- The space implications of the goals, objectives and strategies outlined in Chapter 4 of the Educational Master Plan

The following sections describe each of these components in greater detail.

It is important to note that this projection of space need is based on current conditions and, therefore, is subject to change to reflect future updates of the Educational Master Plan.

Enrollment

Historic student headcount and FTE enrollment figures for Ventura College are shown in Chapter 2 of this report. They show steady growth over the last three years. Fall 2008 data are as follows:

- 14,462 headcount students
- 5,008 Full-Time Equivalent Students (FTES)
- 123,723ⁱ Weekly Student Contact Hours (WSCH)

Using fall 2008 as a baseline, the projections of future enrollment growth have been based on historical enrollment trends, the demographic trends for college-going ages, and the economic realities at the time this Educational Master Plan was developed. Based on these factors, the WSCH data, which is what the State uses to calculate space needs, were increased by:

- 9% between fall 2008 and fall 2009
- 7% between fall 2009 and fall 2010
- 5% between fall 2010 and fall 2011
- 3% between fall 2011 and fall 2012

For fall 2013 and beyond, all disciplines were increased by 2% per year. These percentages were applied equally across all instructional disciplines.

The California Community College system utilizes a mathematical formula to determine the amount of space that should be needed for a community college program based on the WSCH generated by discipline.

Table 5.1 on the next two pages shows the predicted Fall 2009, 2014, 2019, and 2024 WSCH by instructional discipline (TOP code). The “for-credit” WSCH (with the exception of Physical Education) generated on the main campus and on the East Campus, along with Non-Credit “on campus” courses contribute to calculating the space need for Lecture and Lab Space. WSCH generated by distance education and by Physical Education do not contribute to the space need.

ⁱ WSCH Data reflect credit-generating and noncredit courses (excludes distance education, and physical education).

Ventura College

| | Category TOP Code | Discipline TOP Code | Fall 2008 | | | | | | Fall 2009 | | | | Fall 2014 | | | | Fall 2019 | | | | Fall 2024 | | | |
|------------------------|-------------------|---------------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|----------------|--------------|--------------|--------------|----------------|--------------|--------------|--------------|----------------|--------------|--------------|---------------|----------------|
| | | | Lecture WSCH | Lab WSCH | Total WSCH | Lecture ASF | Lab ASF | FTES | Lecture WSCH | Lab WSCH | Total WSCH | Estimated FTES | Lecture WSCH | Lab WSCH | Total WSCH | Estimated FTES | Lecture WSCH | Lab WSCH | Total WSCH | Estimated FTES | Lecture WSCH | Lab WSCH | Total WSCH | Estimated FTES |
| Agriculture | | | | | | | | | | | | | | | | | | | | | | | | |
| Plant Sci | 0100 | 0103 | 98 | 147 | 245 | 46 | 723 | 8.17 | 107 | 160 | 267 | 8.90 | 129 | 193 | 322 | 10.72 | 142 | 213 | 355 | 11.83 | 157 | 235 | 392 | 13.06 |
| Natural Resources | 0100 | 0115 | 84 | | 84 | 40 | 0 | 2.80 | 92 | | 92 | 3.05 | 110 | | 110 | 3.67 | 122 | | 122 | 4.06 | 134 | | 134 | 4.48 |
| | | | 182 | 147 | 329 | 86 | 723 | 10.97 | 198 | 160 | 359 | 11.95 | 239 | 193 | 432 | 14 | 264 | 213 | 477 | 16 | 291 | 235 | 526 | 18 |
| Environmental Sciences | | | | | | | | | | | | | | | | | | | | | | | | |
| ESRM | 0300 | 0301 | 120 | | 120 | 57 | 0 | 4.00 | 131 | | 131 | 4.36 | 157 | | 157 | 5.25 | 174 | | 174 | 5.80 | 192 | | 192 | 6.40 |
| | | | 120 | | 120 | 57 | 0 | 4.00 | 131 | | 131 | 4.36 | 157 | | 157 | 5.25 | 174 | | 174 | 5.80 | 192 | | 192 | 6.40 |
| Biological Sciences | | | | | | | | | | | | | | | | | | | | | | | | |
| BIOLOGY | 0400 | 0401 | 1,929 | 1,167 | 3,096 | 912 | 2,719 | 103.20 | 2,103 | 1,272 | 3,375 | 112.49 | 2,531 | 1,531 | 4,063 | 135.43 | 2,795 | 1,691 | 4,486 | 149.53 | 3,086 | 1,867 | 4,953 | 165.09 |
| ANATOMY | 0400 | 0410 | 690 | 771 | 1,461 | 326 | 1,796 | 48.70 | 752 | 840 | 1,592 | 53.08 | 905 | 1,012 | 1,917 | 63.91 | 1,000 | 1,117 | 2,117 | 70.56 | 1,104 | 1,233 | 2,337 | 77.91 |
| PHYSIOL | 0400 | 0410 | 435 | 435 | 870 | 206 | 1,014 | 29.00 | 474 | 474 | 948 | 31.61 | 571 | 571 | 1,142 | 38.06 | 630 | 630 | 1,261 | 42.02 | 696 | 696 | 1,392 | 46.39 |
| MICRO | 0400 | 0403 | 420 | 420 | 840 | 199 | 979 | 28.00 | 458 | 458 | 916 | 30.52 | 551 | 551 | 1,102 | 36.74 | 609 | 609 | 1,217 | 40.57 | 672 | 672 | 1,344 | 44.79 |
| | | | 3,474 | 2,793 | 6,267 | 1,643 | 6,508 | 208.90 | 3,787 | 3,044 | 6,831 | 227.70 | 4,559 | 3,665 | 8,224 | 274.14 | 5,033 | 4,047 | 9,080 | 302.67 | 5,557 | 4,468 | 10,025 | 334.18 |
| Business & Management | | | | | | | | | | | | | | | | | | | | | | | | |
| BUS | 0500 | 0501 | 432 | | 432 | 204 | | 14.40 | 471 | | 471 | 15.69 | 567 | | 567 | 18.89 | 626 | | 626 | 20.86 | 691 | | 691 | 23.03 |
| ACCTG | 0500 | 0502 | 1,346 | 714 | 2,060 | 637 | 914 | 68.67 | 1,467 | 778 | 2,245 | 74.85 | 1,766 | 937 | 2,703 | 90.11 | 1,950 | 1,035 | 2,985 | 99.49 | 2,153 | 1,142 | 3,295 | 109.85 |
| MGMT | 0500 | 0506 | 1,464 | | 1,464 | 692 | | 48.80 | 1,596 | | 1,596 | 53.19 | 1,921 | | 1,921 | 64.04 | 2,121 | | 2,121 | 70.71 | 2,342 | | 2,342 | 78.07 |
| BUS INFO SYS | 0500 | 0514 | 1,290 | 93 | 1,383 | 610 | 119 | 46.10 | 1,406 | 101 | 1,507 | 50.25 | 1,693 | 122 | 1,815 | 60.50 | 1,869 | 135 | 2,004 | 66.79 | 2,064 | 149 | 2,212 | 73.75 |
| MED BUS INFO | 0500 | 0514 | 463 | | 463 | 219 | | 15.42 | 504 | | 504 | 16.81 | 607 | | 607 | 20.24 | 670 | | 670 | 22.35 | 740 | | 740 | 24.67 |
| REAL ES | 0500 | 0511 | 237 | | 237 | 112 | | 7.90 | 258 | | 258 | 8.61 | 311 | | 311 | 10.37 | 343 | | 343 | 11.45 | 379 | | 379 | 12.64 |
| | | | 5,232 | 807 | 6,039 | 2,475 | 1,033 | 201.29 | 5,702 | 880 | 6,582 | 219.40 | 6,866 | 1,059 | 7,925 | 264.15 | 7,580 | 1,169 | 8,749 | 291.64 | 8,369 | 1,291 | 9,660 | 322.00 |
| Communications | | | | | | | | | | | | | | | | | | | | | | | | |
| JOURNAL | 0600 | 0602 | 40 | 57 | 97 | 19 | 122 | 3.23 | 44 | 62 | 106 | 3.52 | 52 | 75 | 127 | 4.24 | 58 | 83 | 141 | 4.68 | 64 | 91 | 155 | 5.17 |
| MULTIMEDIA | 0600 | 0614 | 396 | | 396 | 187 | 0 | 13.20 | 432 | | 432 | 14.39 | 520 | | 520 | 17.32 | 574 | | 574 | 19.13 | 633 | | 633 | 21.12 |
| | | | 436 | 57 | 493 | 206 | 122 | 16.43 | 475 | 62 | 537 | 17.91 | 572 | 75 | 647 | 21.57 | 632 | 83 | 714 | 23.81 | 697 | 91 | 789 | 26.29 |
| Computer & Info Sci | | | | | | | | | | | | | | | | | | | | | | | | |
| COMP SCI | 0700 | 0701 | 218 | 131 | 348 | 103 | 223 | 11.60 | 237 | 142 | 379 | 12.64 | 285 | 171 | 457 | 15.22 | 315 | 189 | 504 | 16.81 | 348 | 209 | 557 | 18.56 |
| INFO SYSTEMS | 0700 | 0702 | 26 | 42 | 68 | 12 | 72 | 2.25 | 28 | 46 | 74 | 2.46 | 34 | 55 | 89 | 2.96 | 37 | 61 | 98 | 3.26 | 41 | 67 | 108 | 3.60 |
| | | | 243 | 173 | 416 | 115 | 295 | 13.85 | 265 | 188 | 453 | 15.10 | 319 | 226 | 545 | 18.18 | 352 | 250 | 602 | 20.07 | 389 | 276 | 665 | 22.16 |
| Education | | | | | | | | | | | | | | | | | | | | | | | | |
| EDUC | 0800 | 0801 | 250 | | 250 | 118 | 0 | 8.33 | 273 | | 273 | 9.08 | 328 | | 328 | 10.94 | 362 | | 362 | 12.07 | 400 | | 400 | 13.33 |
| EAC | 0800 | 0809 | 200 | 170 | 370 | 94 | 546 | 12.32 | 218 | 185 | 403 | 13.43 | 262 | 223 | 485 | 16.17 | 289 | 246 | 536 | 17.85 | 319 | 272 | 591 | 19.71 |
| HEALTH ED | 0800 | 0837 | 3,063 | | 3,063 | 1,449 | 0 | 102.09 | 3,338 | | 3,338 | 111.27 | 4,019 | | 4,019 | 133.97 | 4,437 | | 4,437 | 147.91 | 4,899 | | 4,899 | 163.31 |
| ASL | 0800 | 0850 | 600 | | 600 | 284 | 0 | 20.00 | 654 | | 654 | 21.80 | 787 | | 787 | 26.25 | 869 | | 869 | 28.98 | 960 | | 960 | 31.99 |
| | | | 4,112 | 170 | 4,282 | 1,945 | 546 | 142.74 | 4,482 | 185 | 4,668 | 155.59 | 5,397 | 223 | 5,620 | 187.32 | 5,958 | 246 | 6,205 | 206.82 | 6,578 | 272 | 6,850 | 228.34 |
| Engineering & Tech | | | | | | | | | | | | | | | | | | | | | | | | |
| ENG GEN | 0900 | 0901 | 98 | 108 | 206 | 46 | 475 | 6.87 | 107 | 118 | 225 | 7.49 | 129 | 142 | 270 | 9.01 | 142 | 156 | 299 | 9.95 | 157 | 173 | 330 | 10.99 |
| AUTO | 0900 | 0948 | 758 | 999 | 1,757 | 358 | 4,396 | 58.55 | 826 | 1,089 | 1,915 | 63.82 | 994 | 1,311 | 2,305 | 76.84 | 1,098 | 1,447 | 2,545 | 84.84 | 1,212 | 1,598 | 2,810 | 93.67 |
| DRAFTING | 0900 | 0953 | 1,133 | 491 | 1,624 | 536 | 2,160 | 54.13 | 1,235 | 535 | 1,770 | 59.01 | 1,487 | 644 | 2,131 | 71.04 | 1,642 | 711 | 2,353 | 78.43 | 1,812 | 785 | 2,598 | 86.60 |
| MANUF TECH | 0900 | 0956 | 217 | 84 | 301 | 103 | 370 | 10.03 | 237 | 92 | 328 | 10.94 | 285 | 110 | 395 | 13.17 | 314 | 122 | 436 | 14.54 | 347 | 134 | 482 | 16.05 |
| WELDING | 0900 | 0956 | 745 | 319 | 1,064 | 352 | 1,404 | 35.47 | 812 | 348 | 1,160 | 38.66 | 978 | 419 | 1,396 | 46.54 | 1,079 | 462 | 1,542 | 51.39 | 1,192 | 510 | 1,702 | 56.74 |
| CONST TECH | 0900 | 0957 | 746 | 33 | 779 | 353 | 145 | 25.97 | 813 | 36 | 849 | 28.30 | 979 | 43 | 1,022 | 34.08 | 1,081 | 48 | 1,129 | 37.62 | 1,193 | 53 | 1,246 | 41.54 |
| WATER SCI | 0900 | 9058 | 306 | 54 | 360 | 145 | 238 | 12.00 | 334 | 59 | 392 | 13.08 | 402 | 71 | 472 | 15.75 | 443 | 78 | 522 | 17.39 | 490 | 86 | 576 | 19.20 |
| | | | 4,003 | 2,088 | 6,091 | 1,893 | 9,187 | 203.02 | 4,363 | 2,276 | 6,639 | 221.29 | 5,253 | 2,740 | 7,993 | 266.43 | 5,799 | 3,025 | 8,825 | 294.16 | 6,403 | 3,340 | 9,743 | 324.77 |

Ventura College

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|-----------------------|-------------------|---------------------|---------------|---------------|---------------|--------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|
| | | | Lecture WSCH | Lab WSCH | Total WSCH | Lecture ASF | Lab ASF | FTES | Lecture WSCH | Lab WSCH | Total WSCH | Estimated FTES | Lecture WSCH | Lab WSCH | Total WSCH | Estimated FTES | Lecture WSCH | Lab WSCH | Total WSCH | Estimated FTES | Lecture WSCH | Lab WSCH | Total WSCH | Estimated FTES |
| Fine & Applied Arts | | | | | | | | | | | | | | | | | | | | | | | | |
| FINE ARTS | 1000 | 1001 | 1,480 | | 1,480 | 700 | 0 | 49.33 | 1,613 | | 1,613 | 53.77 | 1,942 | | 1,942 | 64.74 | 2,144 | | 2,144 | 71.48 | 2,368 | | 2,368 | 78.92 |
| ART | 1000 | 1002 | | 5,262 | 5,262 | 0 | 13,523 | 175.40 | | 5,736 | 5,736 | 191.19 | 0 | 6,905 | 6,905 | 230.18 | 0 | 7,624 | 7,624 | 254.14 | 0 | 8,418 | 8,418 | 280.59 |
| MUSIC | 1000 | 1004 | 2,100 | 2,207 | 4,307 | 993 | 5,672 | 143.57 | 2,289 | 2,406 | 4,695 | 156.49 | 2,756 | 2,896 | 5,652 | 188.40 | 3,043 | 3,198 | 6,240 | 208.01 | 3,359 | 3,531 | 6,890 | 229.66 |
| THEATER | 1000 | 1007 | 384 | 892 | 1,276 | 182 | 2,292 | 42.53 | 419 | 972 | 1,391 | 46.36 | 504 | 1,171 | 1,675 | 55.82 | 556 | 1,292 | 1,849 | 61.63 | 614 | 1,427 | 2,041 | 68.04 |
| DANCE | 1000 | 1008 | 179 | 466 | 645 | 85 | 1,198 | 21.50 | 195 | 508 | 703 | 23.44 | 235 | 612 | 846 | 28.21 | 259 | 675 | 935 | 31.15 | 286 | 745 | 1,032 | 34.39 |
| PHOTO | 1000 | 1011 | | 1,757 | 1,757 | 0 | 4,515 | 58.57 | | 1,915 | 1,915 | 63.84 | 0 | 2,306 | 2,306 | 76.86 | 0 | 2,546 | 2,546 | 84.86 | 0 | 2,811 | 2,811 | 93.69 |
| GRAPHIC ARTS | 1000 | 1030 | | 252 | 252 | 0 | 648 | 8.40 | | 275 | 275 | 9.16 | 0 | 331 | 331 | 11.02 | 0 | 365 | 365 | 12.17 | 0 | 403 | 403 | 13.44 |
| | | | 4,143 | 10,836 | 14,979 | 1,960 | 27,849 | 499.30 | 4,516 | 11,811 | 16,327 | 544.24 | 5,437 | 14,220 | 19,657 | 655.24 | 6,003 | 15,700 | 21,703 | 723.44 | 6,628 | 17,334 | 23,962 | 798.73 |
| Foreign Languages | | | | | | | | | | | | | | | | | | | | | | | | |
| FRENCH | 1100 | 1102 | 291 | | 291 | 138 | | 9.70 | 317 | | 317 | 10.57 | 382 | 0 | 382 | 12.73 | 422 | | 422 | 14.05 | 466 | | 466 | 15.52 |
| GERMAN | 1100 | 1103 | 415 | | 415 | 196 | | 13.83 | 452 | | 452 | 15.08 | 545 | 0 | 545 | 18.15 | 601 | | 601 | 20.04 | 664 | | 664 | 22.13 |
| SPANISH | 1100 | 1105 | 3,019 | | 3,019 | 1,428 | | 100.63 | 3,291 | | 3,291 | 109.69 | 3,962 | 0 | 3,962 | 132.06 | 4,374 | | 4,374 | 145.81 | 4,829 | | 4,829 | 160.98 |
| JAPANESE | 1100 | 1108 | 205 | | 205 | 97 | | 6.83 | 223 | | 223 | 7.45 | 269 | 0 | 269 | 8.97 | 297 | | 297 | 9.90 | 328 | | 328 | 10.93 |
| | | | 3,930 | | 3,930 | 1,859 | 0 | 131.00 | 4,284 | | 4,284 | 142.79 | 5,157 | | 5,157 | 171.91 | 5,694 | | 5,694 | 189.81 | 6,287 | | 6,287 | 209.56 |
| Health & Medical Tech | | | | | | | | | | | | | | | | | | | | | | | | |
| HEALTH SCI | 1200 | 1201 | 312 | | 312 | 148 | | 10.40 | 340 | | 340 | 11.34 | 409 | | 409 | 13.65 | 452 | | 452 | 15.07 | 499 | | 499 | 16.64 |
| NURSING SCI | 1200 | 1230 | 2,004 | 4,166 | 6,170 | 948 | 8,916 | 205.66 | 2,184 | 4,541 | 6,725 | 224.17 | 2,629 | 5,467 | 8,097 | 269.89 | 2,903 | 6,037 | 8,939 | 297.98 | 3,205 | 6,665 | 9,870 | 328.99 |
| EMT | 1200 | 1250 | 455 | 33 | 488 | 215 | 71 | 16.27 | 496 | 36 | 532 | 17.73 | 597 | 43 | 640 | 21.35 | 659 | 48 | 707 | 23.57 | 728 | 53 | 781 | 26.02 |
| PARAMEDIC | 1200 | 1210 | 216 | 240 | 456 | 102 | 514 | 15.20 | 235 | 262 | 497 | 16.57 | 283 | 315 | 598 | 19.95 | 313 | 348 | 661 | 22.02 | 346 | 384 | 729 | 24.32 |
| | | | 2,987 | 4,439 | 7,426 | 1,413 | 9,500 | 247.53 | 3,255 | 4,839 | 8,094 | 269.80 | 3,919 | 5,826 | 9,745 | 324.83 | 4,327 | 6,432 | 10,759 | 358.64 | 4,778 | 7,102 | 11,879 | 395.97 |
| Consumer Education | | | | | | | | | | | | | | | | | | | | | | | | |
| HOME DESIGN | 1300 | 1302 | 133 | | 133 | 63 | 0 | 4.43 | 145 | | 145 | 4.83 | 175 | | 175 | 5.82 | 193 | 0 | 193 | 6.42 | 213 | | 213 | 7.09 |
| FASHION | 1300 | 1305 | 272 | 281 | 553 | 129 | 722 | 18.43 | 296 | 306 | 603 | 20.09 | 357 | 369 | 726 | 24.19 | 394 | 407 | 801 | 26.71 | 435 | 450 | 885 | 29.49 |
| CHILD DEV | 1300 | 1305 | 1,448 | 120 | 1,568 | 685 | 308 | 52.27 | 1,578 | 131 | 1,709 | 56.97 | 1,900 | 157 | 2,058 | 68.59 | 2,098 | 174 | 2,272 | 75.73 | 2,316 | 192 | 2,508 | 83.61 |
| HOME ECON | 1300 | 1306 | 225 | | 225 | 106 | 0 | 7.50 | 245 | | 245 | 8.18 | 295 | | 295 | 9.84 | 326 | 0 | 326 | 10.87 | 360 | | 360 | 12.00 |
| | | | 2,078 | 401 | 2,479 | 983 | 1,031 | 82.63 | 2,265 | 437 | 2,702 | 90.07 | 2,727 | 526 | 3,253 | 108.44 | 3,011 | 581 | 3,592 | 119.73 | 3,324 | 641 | 3,966 | 132.19 |
| Humanities & Letters | | | | | | | | | | | | | | | | | | | | | | | | |
| ENGLISH | 1500 | 1501 | 8,122 | 93 | 8,215 | 3,842 | 199 | 273.83 | 8,853 | 101 | 8,954 | 298.48 | 10,659 | 122 | 10,781 | 359.35 | 11,768 | 135 | 11,903 | 396.76 | 12,993 | 149 | 13,142 | 438.05 |
| SPEECH | 1500 | 1506 | 1,257 | | 1,257 | 595 | 0 | 41.90 | 1,370 | | 1,370 | 45.67 | 1,650 | 0 | 1,650 | 54.99 | 1,821 | 0 | 1,821 | 60.71 | 2,011 | 0 | 2,011 | 67.03 |
| PHILOS | 1500 | 1509 | 2,505 | | 2,505 | 1,185 | 0 | 83.50 | 2,730 | | 2,730 | 91.02 | 3,287 | 0 | 3,287 | 109.58 | 3,629 | 0 | 3,629 | 120.98 | 4,007 | 0 | 4,007 | 133.58 |
| | | | 11,884 | 93 | 11,977 | 5,621 | 199 | 399.23 | 12,954 | 101 | 13,055 | 435.16 | 15,596 | 122 | 15,718 | 523.92 | 17,219 | 135 | 17,353 | 578.45 | 19,011 | 149 | 19,160 | 638.65 |
| Mathematics | | | | | | | | | | | | | | | | | | | | | | | | |
| MATH | 1700 | 1701 | 12,739 | | 12,739 | 6,026 | 0 | 424.63 | 13,886 | | 13,886 | 462.85 | 16,718 | | 16,718 | 557.25 | 18,458 | | 18,458 | 615.25 | 20,379 | | 20,379 | 679.29 |
| | | | 12,739 | | 12,739 | 6,026 | 0 | 424.63 | 13,886 | | 13,886 | 462.85 | 16,718 | | 16,718 | 557.25 | 18,458 | | 18,458 | 615.25 | 20,379 | | 20,379 | 679.29 |
| Physical Sciences | | | | | | | | | | | | | | | | | | | | | | | | |
| PHYSICS | 1900 | 1902 | 480 | 465 | 945 | 227 | 1,195 | 31.50 | 523 | 507 | 1,030 | 34.34 | 630 | 610 | 1,240 | 41.34 | 695 | 674 | 1,369 | 45.64 | 768 | 744 | 1,512 | 50.39 |
| CHEM | 1900 | 1905 | 2,425 | 2,232 | 4,657 | 1,147 | 5,736 | 155.23 | 2,643 | 2,433 | 5,076 | 169.20 | 3,182 | 2,929 | 6,111 | 203.71 | 3,514 | 3,234 | 6,748 | 224.92 | 3,879 | 3,571 | 7,450 | 248.33 |
| ASTRON | 1900 | 1911 | 738 | 168 | 906 | 349 | 432 | 30.20 | 804 | 183 | 988 | 32.92 | 968 | 220 | 1,189 | 39.63 | 1,069 | 243 | 1,313 | 43.76 | 1,181 | 269 | 1,449 | 48.31 |
| GEOLOGY | 1900 | 1914 | 522 | 219 | 741 | 247 | 563 | 24.70 | 569 | 239 | 808 | 26.92 | 685 | 287 | 972 | 32.41 | 756 | 317 | 1,074 | 35.79 | 835 | 350 | 1,185 | 39.51 |
| | | | 4,165 | 3,084 | 7,249 | 1,970 | 7,926 | 241.63 | 4,540 | 3,362 | 7,901 | 263.38 | 5,466 | 4,047 | 9,513 | 317.10 | 6,035 | 4,468 | 10,503 | 350.10 | 6,663 | 4,933 | 11,596 | 386.54 |
| Psychology | | | | | | | | | | | | | | | | | | | | | | | | |
| PSYCH | 2000 | 2001 | 5,369 | | 5,369 | 2,540 | 0 | 178.97 | 5,852 | | 5,852 | 195.07 | 7,046 | | 7,046 | 234.86 | 7,779 | | 7,779 | 259.30 | 8,589 | | 8,589 | 286.29 |
| | | | 5,369 | | 5,369 | 2,540 | 0 | 178.97 | 5,852 | | 5,852 | 195.07 | 7,046 | | 7,046 | 234.86 | 7,779 | | 7,779 | 259.30 | 8,589 | | 8,589 | 286.29 |

Ventura College

| | Category TOP Code | Discipline TOP Code | Fall 2008 | | | | | | Fall 2009 | | | | Fall 2014 | | | | Fall 2019 | | | | Fall 2024 | | | |
|------------------------------------|-------------------|---------------------|---------------|------------|---------------|--------------|--------------|---------------|---------------|------------|---------------|----------------|---------------|--------------|---------------|----------------|---------------|--------------|---------------|----------------|---------------|--------------|---------------|----------------|
| | | | Lecture WSCH | Lab WSCH | Total WSCH | Lecture ASF | Lab ASF | FTES | Lecture WSCH | Lab WSCH | Total WSCH | Estimated FTES | Lecture WSCH | Lab WSCH | Total WSCH | Estimated FTES | Lecture WSCH | Lab WSCH | Total WSCH | Estimated FTES | Lecture WSCH | Lab WSCH | Total WSCH | Estimated FTES |
| Public Affairs & Services | | | | | | | | | | | | | | | | | | | | | | | | |
| CRIMINAL JUSTICE | 2100 | 2105 | 1,821 | 112 | 1,933 | 861 | 240 | 64.43 | 1,985 | 122 | 2,107 | 70.23 | 2,390 | 147 | 2,537 | 84.56 | 2,638 | 162 | 2,801 | 93.36 | 2,913 | 179 | 3,092 | 103.07 |
| | | | 1,821 | 112 | 1,933 | 861 | 240 | 64.43 | 1,985 | 122 | 2,107 | 70.23 | 2,390 | 147 | 2,537 | 84.56 | 2,638 | 162 | 2,801 | 93.36 | 2,913 | 179 | 3,092 | 103.07 |
| Social Sciences | | | | | | | | | | | | | | | | | | | | | | | | |
| ANTHRO | 2200 | 2202 | 1,904 | 135 | 2,039 | 901 | 203 | 67.97 | 2,075 | 147 | 2,223 | 74.08 | 2,499 | 177 | 2,676 | 89.19 | 2,759 | 196 | 2,954 | 98.48 | 3,046 | 216 | 3,262 | 108.73 |
| CHICANO | 2200 | 2203 | 468 | | 468 | 221 | 0 | 15.60 | 510 | 0 | 510 | 17.00 | 614 | | 614 | 20.47 | 678 | | 678 | 22.60 | 749 | | 749 | 24.96 |
| ECON | 2200 | 2204 | 921 | | 921 | 436 | 0 | 30.70 | 1,004 | 0 | 1,004 | 33.46 | 1,209 | | 1,209 | 40.29 | 1,334 | | 1,334 | 44.48 | 1,473 | | 1,473 | 49.11 |
| HISTORY | 2200 | 2205 | 4,428 | | 4,428 | 2,094 | 0 | 147.60 | 4,827 | 0 | 4,827 | 160.88 | 5,811 | | 5,811 | 193.70 | 6,416 | | 6,416 | 213.86 | 7,083 | | 7,083 | 236.12 |
| GEOG | 2200 | 2206 | 1,565 | 732 | 2,297 | 740 | 1,098 | 76.57 | 1,706 | 798 | 2,504 | 83.46 | 2,054 | 961 | 3,014 | 100.48 | 2,268 | 1,061 | 3,328 | 110.94 | 2,504 | 1,171 | 3,675 | 122.48 |
| POL SCI | 2200 | 2207 | 1,557 | | 1,557 | 736 | 0 | 51.90 | 1,697 | 0 | 1,697 | 56.57 | 2,043 | | 2,043 | 68.11 | 2,256 | | 2,256 | 75.20 | 2,491 | 0 | 2,491 | 83.02 |
| SOC | 2200 | 2208 | 2,475 | | 2,475 | 1,171 | 0 | 82.50 | 2,698 | 0 | 2,698 | 89.93 | 3,248 | | 3,248 | 108.27 | 3,586 | | 3,586 | 119.53 | 3,959 | 0 | 3,959 | 131.98 |
| | | | 13,318 | 867 | 14,185 | 6,299 | 1,301 | 472.83 | 14,517 | 945 | 15,462 | 515.39 | 17,477 | 1,138 | 18,615 | 620.50 | 19,296 | 1,256 | 20,553 | 685.09 | 21,305 | 1,387 | 22,692 | 756.39 |
| Interdisciplinary Studies | | | | | | | | | | | | | | | | | | | | | | | | |
| GUIDANCE WKSHP | 4900 | 4930 | 19 | | 19 | 9 | 0 | 0.63 | 21 | | 21 | 0.69 | 25 | | 25 | 0.83 | 28 | | 28 | 0.92 | 30 | | 30 | 1.01 |
| BASIC ENGL | 4900 | 4930 | 1,504 | 180 | 1,684 | 711 | 463 | 56.13 | 1,639 | 196 | 1,836 | 61.19 | 1,974 | 236 | 2,210 | 73.66 | 2,179 | 261 | 2,440 | 81.33 | 2,406 | 288 | 2,694 | 89.80 |
| LRNSKIL | 4900 | 4930 | 1,240 | 112 | 1,352 | 587 | 288 | 45.07 | 1,352 | 122 | 1,474 | 49.12 | 1,627 | 147 | 1,774 | 59.14 | 1,797 | 162 | 1,959 | 65.30 | 1,984 | 179 | 2,163 | 72.09 |
| BASIC MATH | 4900 | 4930 | 1,163 | | 1,163 | 550 | 0 | 38.77 | 1,268 | | 1,268 | 42.26 | 1,526 | | 1,526 | 50.87 | 1,685 | | 1,685 | 56.17 | 1,860 | | 1,860 | 62.02 |
| ESL | 4900 | 4930 | 375 | 528 | 903 | 177 | 1,357 | 30.10 | 409 | 576 | 984 | 32.81 | 492 | 693 | 1,185 | 39.50 | 543 | 765 | 1,308 | 43.61 | 600 | 845 | 1,445 | 48.15 |
| INTERDISC STDS | 4900 | 4999 | 13 | 0 | 13 | 6 | 0 | 0.43 | 14 | | 14 | 0.47 | 17 | | 17 | 0.57 | 19 | | 19 | 0.63 | 21 | | 21 | 0.69 |
| | | | 4,314 | 820 | 5,134 | 2,041 | 2,107 | 171.13 | 4,702 | 894 | 5,596 | 186.54 | 5,661 | 1,076 | 6,737 | 224.58 | 6,251 | 1,188 | 7,439 | 247.95 | 6,901 | 1,312 | 8,213 | 273.76 |
| Totals (for Credit) | | | 84,549 | 26,887 | 111,436 | 39,992 | 68,565 | 3,714.53 | 92,158 | 29,307 | 121,465 | 4,048.84 | 110,955 | 35,284 | 146,239 | 4,874.62 | 122,503 | 38,956 | 161,459 | 5,381.98 | 135,253 | 43,011 | 178,264 | 5,942.14 |
| NonCredit Enrollment (Space) | | | | | | | | | | | | | | | | | | | | | | | | |
| INTERDISC STDS | 4900 | 4930 | | 3,957 | 3,957 | 0 | 10,170 | 131.91 | | 4,313 | 4,313 | 143.78 | | 5,193 | 5,193 | 173.11 | 0 | 5,734 | 5,734 | 191.12 | | 6,330 | 6,330 | 211.02 |
| WELDING | 0900 | 0956 | | 87 | 87 | 0 | 384 | 2.91 | | 95 | 95 | 3.17 | | 115 | 115 | 3.82 | 0 | 126 | 126 | 4.22 | | 140 | 140 | 4.66 |
| GUIDANCE WKSHP | 0800 | 0837 | 5 | | 5 | 2 | 0 | 0.17 | 5 | | 5 | 0.18 | 7 | | 7 | 0.22 | 7 | | 7 | 0.24 | 8 | | 8 | 0.27 |
| ESL | 4900 | 4930 | 1,535 | | 1,535 | 726 | 0 | 51.17 | 1,673 | | 1,673 | 55.77 | 2,014 | | 2,014 | 67.15 | 2,224 | | 2,224 | 74.14 | 2,456 | | 2,456 | 81.85 |
| Total NonCredit Enrollment (Space) | | | 1,540 | 4,045 | 5,584 | 728 | 10,554 | 186.15 | 1,679 | 4,409 | 6,087 | 202.91 | 2,021 | 5,308 | 7,329 | 244.29 | 2,231 | 5,860 | 8,092 | 269.72 | 2,464 | 6,470 | 8,934 | 297.79 |
| East Campus | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals (Space Related) | | | 4,777 | 1,926 | 6,703 | 2,260 | 4,428 | 223.43 | 5,207 | 2,099 | 7,306 | 243.54 | 6,269 | 2,528 | 8,796 | 293.21 | 6,921 | 2,791 | 9,712 | 323.73 | 7,642 | 3,081 | 10,723 | 357.43 |
| Total (Space) WSCH | | | 90,866 | 32,857 | 123,723 | 42,980 | 83,548 | 4,124.12 | 99,044 | 35,815 | 134,858 | 4,495.29 | 119,245 | 43,119 | 162,363 | 5,412.13 | 131,656 | 47,607 | 179,262 | 5,975.43 | 145,359 | 52,562 | 197,920 | 6,597.35 |
| Total Headcount Enrollment | | | | | | 14,462 | | | | | 15,764 | | | | 18,979 | | | 20,954 | | | | 23,135 | | |
| Other (Physical Education) | | | | | | | | | | | | | | | | | | | | | | | | |
| PHYS ED | 0800 | 0835 | 3,320 | 9,310 | 12,630 | | | 421.00 | 3,619 | 10,148 | 13,767 | 458.89 | 4,357 | 12,218 | 16,575 | 552.48 | 4,810 | 13,489 | 18,300 | 609.99 | 5,311 | 14,893 | 20,204 | 673.47 |
| Totals (On Campus) | | | 3,320 | 9,310 | 12,630 | | | 421.00 | 3,619 | 10,148 | 13,767 | 458.89 | 4,357 | 12,218 | 16,575 | 552 | 4,810 | 13,489 | 18,300 | 610 | 5,311 | 14,893 | 20,204 | 673 |
| Distance Education | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals (Distance Education) | | | 13,883 | | 13,883 | | | 462.77 | 15,132 | - | 15,132 | 504.42 | 18,219 | - | 18,219 | 607.29 | 20,115 | - | 20,115 | 670.50 | 22,209 | - | 22,209 | 740.29 |
| GRAND TOTAL | | | 108,069 | 42,167 | 150,236 | 42,980 | 83,548 | 5,007.88 | 117,795 | 45,962 | 163,757 | 5,458.59 | 141,820 | 55,337 | 197,156 | 6,571.90 | 156,581 | 61,096 | 217,676 | 7,255.91 | 172,878 | 67,455 | 240,332 | 8,011.12 |

Capacity

“Capacity” is a term used in the facilities planning process to express the enrollment that can be accommodated by an amount of space. A facilities capacity analysis enables a college to identify the types of spaces it needs and/or the types of spaces it holds in excess. Such a facilities analysis presents the primary means of understanding space needs in relation to a college’s projected growth.

The State of California has developed uniform standards for determining enrollment capacity for each postsecondary institution that receives State capital outlay funding. The State funds some construction for growth on the basis of need. Although not the sole determinant of new building projects, where existing space falls below 100% of prescribed standards for certain categories of space, a stronger case can be made for state funding to support needed new space.

Standard Space Categories

There are methods and factors defined in Title 5 of the State Administrative Manual for computing the need for each of the following five major categories of space:

- Lecture (standard classroom space)
- Laboratory (specialized class lab space)
- Office (standard space assigned to a department)
- Library/Learning Resources
- Audio-Visual/TV (Instructional media production space)

The projected needs for these spaces are determined by applying State standards defined in Title 5.

Table 5.2 takes the WSCH data and, using the appropriate formulae, computes the space need for the standard categories of Lecture and Lab space, as well as other standard and non-standard space need categories.

Non-Standard Space Categories

The balance of space types needed to support the overall institution are in categories of space not covered by State standards. Estimates for these “non-State-standard” spaces are determined using factors derived from applying appropriate benchmarks. This category includes spaces used for:

- Teaching Gym/Physical Education
- Assembly and Exhibition
- Food Facilities

- Bookstore
- Physical Plant
- Health Services
- Child Care
- Lounge and Meeting Rooms
- Data Processing
- All Other (Unspecified) Spaces

The benchmark data are generally used for generating a “sum total” of space needed for non-standard functions, with specific programming left to the discretion of the individual colleges and districts.

Existing Space Needs

Table 5.2 shows the amount of Assignable Square Feet (asf) in each of the previously listed categories, the amount of current (fall 2008) space needed by applying the State standards or benchmarks and the current percent of need. This table also shows the amount of currently-funded space that will be added to the campus between fall 2008 and fall 2014 as the currently planned space projects come to fruition.

Table 5.2
VENTURA COLLEGE
 Estimates of Space Need by Category
 (data in Assignable Square Feet)

| (A) | (B) | (C) | (D) | (E) | (F) | (G) | (H) |
|------------------------------------|---------------------------|--|-------------------------------------|---|---|---------------------------------|--------------------------------|
| Space Category | Fall 2008 Space Inventory | Current Space Needs (2008) by Standards & Benchmarks | Inventory as a Percent of 2008 Need | Additional Planned Projects ⁱⁱ | Projected Available Fall 2014 Space Inventory | Projected Fall 2014 Space Needs | Estimated Percent of 2014 Need |
| Standard Space | | | | | | | |
| • Lecture | 56,065 | 42,980 | 130% | (13,877) | 42,188 | 56,403 | 75% |
| • Lab | 117,793 | 83,548 | 141% | 13,233 | 131,026 | 109,641 | 120% |
| • Office | 54,947 | 38,500 | 143% | 3,528 | 58,475 | 50,524 | 119% |
| • Library | 33,310 | 41,134 | 81% | 0 | 33,310 | 51,120 | 67% |
| • AV/TV | 6,628 | 12,968 | 51% | 0 | 6,628 | 13,817 | 48% |
| <i>Subtotal Standard Space</i> | <i>268,743</i> | <i>219,130</i> | <i>124%</i> | <i>2,884</i> | <i>271,627</i> | <i>281,504</i> | <i>97%</i> |
| <i>Subtotal Non-Standard Space</i> | <i>140,997</i> | <i>108,065</i> | <i>130%</i> | <i>400</i> | <i>141,397</i> | <i>126,696</i> | <i>113%</i> |
| Total | 409,740 | 327,195 | 126% | 3,284 | 413,024 | 408,201 | 101% |

ii Includes:

- Advanced Technology/General Classroom Building (adds 21,279 asf)
- Studio Arts Modernization (adds 361 asf)
- G Building (Theater) Modernization (no change in asf)
- Demolition of TR1&2, J, K, T and U Bldgs (subtracts 18,356 asf)

The most pertinent observations from this table are:

- In fall 2008, Ventura College is approximately 50,000 asf over what would be called for by the State's formulae for standardized space: Lecture; Lab; Office; Library; and AV/TV.
- In fall 2008, the College is approximately 33,000 asf over what would be called for in Non-Standardized space according to generally-accepted benchmarks for Teaching Gym/Physical Education; Assembly & Exhibition; Food Facilities; etc.
- For fall 2008, it is estimated that there is an overall surplus of about 82,500 asf in space currently existing on campus.
- For fall 2014, when all of the current building projects are projected to be complete the overall campus space is projected to diminish to approximately 5,000 asf above the computed need for space.

Projected Space Needs

As mentioned earlier in this chapter, future space needs were calculated by increasing WSCH 9% between fall 2008 and fall 2009, 7% between fall 2009 and fall 2010, 5% between fall 2010 and fall 2011, 3% between fall 2011 and fall 2012, followed by annual growth of 2% across all programs. To project future space needs for lecture and lab space, the appropriate standards are applied to the projected WSCH for each benchmark year by TOP code as shown on Table 5.1. The results are shown on Table 5.3.

Table 5.3 shows that Ventura College will experience a space deficit beginning in fall 2015. Building refurbishments, renovations, and conversions of space will also likely be required to maintain reasonable standards of quality and to meet ever-evolving programmatic needs.

Table 5.3
Modeled Space Computations
VENTURA COLLEGE
SCENARIO: 9% growth in WSCH followed by 7% then 5% then 3% then 2% thereafter

Estimates Of Calculated Space Need "Allowance" By Year

| | Growth | WSCH | TOTAL SPACE | Surplus or (Deficit) |
|---------------------|--------|---------|-------------|----------------------|
| Fall 2008 (current) | | 123,723 | 327,195 | 82,545 |
| Fall 2009 | 1.09 | 134,858 | 350,374 | 59,366 |
| Fall 2010 | 1.07 | 144,298 | 370,221 | 39,519 |
| Fall 2011 | 1.05 | 151,513 | 385,390 | 24,350 |
| Fall 2012 | 1.03 | 156,058 | 394,946 | 14,794 |
| Fall 2013 | 1.02 | 159,180 | 401,508 | 8,232 |
| Fall 2014* | 1.02 | 162,363 | 408,201 | 4,823 |
| Fall 2015* | 1.02 | 165,610 | 415,028 | (2,004) |
| Fall 2016* | 1.02 | 168,923 | 421,992 | (8,968) |
| Fall 2017* | 1.02 | 172,301 | 429,095 | (16,071) |
| Fall 2018* | 1.02 | 175,747 | 436,340 | (23,316) |
| Fall 2019* | 1.02 | 179,262 | 443,730 | (30,706) |
| Fall 2020* | 1.02 | 182,847 | 451,267 | (38,243) |
| Fall 2021* | 1.02 | 186,504 | 458,956 | (45,932) |
| Fall 2022* | 1.02 | 190,234 | 466,798 | (53,774) |
| Fall 2023* | 1.02 | 194,039 | 468,048 | (55,024) |
| Fall 2024* | 1.02 | 197,920 | 476,072 | (63,048) |

* Includes anticipated project completions by 2014

Table 5.4 takes the analysis a step further and shows the total space that will be needed for selected benchmark years for all categories of space: Standard and Non-Standard.

Table 5.4
 Predicted Space Needs to 2024
 Ventura College

| Category | Actual Space Fall 2008 | Projected Actual Space Fall 2014 | Projected Space Need | | |
|--------------------------------------|---------------------------|--|----------------------|----------------|----------------|
| | | | Fall 2014 | Fall 2019 | Fall 2024 |
| Lecture-Classroom Space (asf) | 56,065 | 42,188 | 56,403 | 62,273 | 62,359 |
| Class Laboratory Space (asf) | 117,793 | 131,026 | 109,641 | 120,006 | 133,652 |
| Office Space (asf) | 54,947 | 58,475 | 50,524 | 55,783 | 61,588 |
| Library Space (asf) | 33,310 | 33,310 | 51,120 | 55,487 | 60,308 |
| AV/TV Space (asf) | 6,628 | 6,628 | 13,817 | 14,188 | 14,598 |
| <i>Subtotal Standard Space (asf)</i> | <i>268,743</i> | <i>271,627</i> | <i>281,505</i> | <i>308,784</i> | <i>332,506</i> |
| Non-Standard Space (asf) | 140,997 | 141,397 | 126,696 | 134,946 | 143,566 |
| TOTAL Space (asf) | 409,740 | 413,024 | 408,201 | 443,730 | 476,072 |

Ventura College is anticipated to have 42,188 asf for lecture space and 131,026 asf for labs in 2014, after all of the currently planned projects are built and assuming the demolition of the temporary buildings noted in Table 5.2. Beginning in 2014 and continuing through the benchmark years, Table 5.4 indicates:

- Additional lecture space will be justified beginning in 2014.
- Lab space is anticipated to be sufficient through 2023.
- Office space should be sufficient through 2021.
- Library space is below state standards now and through 2024.
- AV/TV space is below state standards now and through 2024.
- Non-standard space will be above benchmark needs through 2022.

While the funding formulae and benchmarks can address the quantity of space needed within the different types of space, they cannot address issues of the quality of space. This will need to be monitored on a continual basis.

Facility Implications of the Educational Master Plan

One of the primary purposes of the Educational Master Plan (EMP) is to provide a foundation for the planning of an institution's physical environment. The Ventura College EMP contains five goals, 23 objectives and numerous strategies. Some of these strategies have implications for planning the College's physical environment.

1. At a rate of annual growth pictured in this analysis, additional lecture space will be needed beginning in 2014. As additional space comes on line in future years, needs should be evaluated, programmed and assigned to address appropriate program growth areas.
2. If distance education and blended programs are to grow at Ventura College, more space will be needed for AV/TV production support and for Library functions. The data indicate that a surplus of laboratory space will exist on campus, some of which could be converted for use as AV/TV production support space, which is currently below need and remains so through 2024. Space will also be needed at the East campus that would support Library and AV/TV applications.
3. The College will need additional outdoor gathering spaces in order to provide an appropriate environment for study and discussion and as a means of encouraging students to spend additional time on campus and to encourage students to become more involved with campus life.
4. Upgraded food service space and food options on campus are in order to encourage students to remain on campus, hence increasing their engagement with the College and enhance persistence rates.
5. East Campus facilities need improvement both in quantity and in quality in order to sustain programmatic growth and fulfill the needs in Goal 5. Better quality facilities are needed especially in lab space, CTE space, food service, parking, student health services, study space, and minimal amenities.
6. Space will be needed for faculty development in a proposed Center for Teaching and Learning; and for professional development space for staff.
7. Given the emphasis placed on Career and Technical Education as an area the College must enhance to meet projected business and industry needs in the coming years — and the current impacted space that Career and Technical Education programs currently occupy — the College must take measures to ensure that adequate space is made available on campus to allow these programs to

grow. In 2015, the land lease on the Wright Library, a County Library that sits on the southeast corner of the Ventura College campus, is expected to expire, and current thinking is that the college District will take that land back. Ventura College should consider that space as a potential site for expansion of Career and Technical Education.