

## Unit Profile for Psychology and Neuroscience

### University of Colorado at Boulder Academic Review and Planning 2011-2012

#### Introduction

**Version 3: mid-December**

This profile describes and compares one unit to others at CU-Boulder. Measures and overall format were specified by the office of the Associate Vice Chancellor for Faculty Affairs, which administers the Academic Review and Planning (ARP) process. Data are compiled, associated with units, and displayed by the institutional analysis area of Planning, Budget, and Analysis (PBA).

Profiles for all units (about 60) are posted at <http://www.colorado.edu/pba/depts/arp/> as PDF's and as RTF (rich text format; open in MS-Word) files. The RTF files can be readily used for cutting/pasting and adding comments in "track changes."

The sections listed below are designed to be relatively independent. However, certain terms and concepts appear throughout. Please see Appendix 2 for definitions of the key concepts of

- The "value" column in most tables
- Rank within all units, and rank within units in the same review cycle
- Per TTT – per tenured and tenure track faculty member with share of tenure locus in the unit, excluding the chancellor and the provost

#### List of sections and appendices

<a href="#"><u>1: Academic Offerings</u></a>	2
<a href="#"><u>2: Faculty and Staff</u></a>	3
<a href="#"><u>3: Research, Scholarship, and Creative Work</u></a>	9
<a href="#"><u>4: Undergraduate Education</u></a>	11
<a href="#"><u>5: Graduate Education</u></a>	16
<a href="#"><u>6: Instruction -- Graduate and Undergraduate Combined</u></a>	21
<a href="#"><u>7: Undergraduate Program Goals and Emphases</u></a>	22
<a href="#"><u>8: List of Tenured and Tenure-Track Faculty</u></a>	23
<a href="#"><u>Appendix 1: Units Considered with Review Cycles</u></a>	27
<a href="#"><u>Appendix 2: Definitions</u></a>	30
<a href="#"><u>Appendix 3: Summarization of FRPA Activity Codes</u></a>	33

## 1: Academic Offerings

This section lists currently active Regent-approved degree programs, associated active majors and major codes, and active concurrent bachelor's-master's programs. For all these offerings, "active" means with no end date listed on the student information system. For 2011-12 all codes for majors, degrees, minors, concurrent bachelor's-master's, etc. are shown in SIS syntax, not in new student system ISIS syntax.

Also listed are major options or tracks recorded with bachelor's degrees awarded, any undergraduate minors awarded, and course subjects with enrollment. These are empirical determinations from a check of the most recent three fiscal years of degrees and of course enrollments, through spring 2011. Major options have been associated with majors empirically, by joint appearance on degree records.

The listing for a unit may show no approved degree programs, or no concurrent bachelor's-master's programs, or no use of major options, or no minors, or no course subjects – in all cases, this reflects the absence of such in the offerings or the data for the most recent three fiscal years.

See Section 7, Undergraduate Program Goals and Emphases, for catalog statements of program goals and emphases, undergraduate programs only.

Approved degree programs: **Psychology**

**BA** - Started before 1988

- Major: PSYCHOLOGY (PSYC)

**MA** - Started before 1988

- Major: PSYCHOLOGY (PSYC) (Through the PhD program only)

**PHD** - Started before 1988

- Major: PSYCHOLOGY (PSYC)

**Concurrent bachelor's-master's program(s)**; listed as bachelor's (/master's-if-different), with eith

- Psychology (Cognitive) (Codes PSY2 - PSY2)

**Course subjects** with enrollment FY2008 - FY2010

- PSYCHOLOGY (PSYC)

## 2: Faculty and Staff

Data are from the academic or fiscal year 2010-2011, counted as of October 1, 2010, except as noted.

**Employees by job category** – Counts of all employees whose highest or top appointment is associated with the unit. This is headcount. Includes leave with/ without pay and part-time appointments. Employees are counted in one unit only. See Appendix 2 for definition of “top appointment.” See <http://www.colorado.edu/pba/facstaff/fac20107.htm> for all-campus figures. These are positions FILLED as of 10-1-2010, not budgeted or approved positions. After the summary table, the same employees are listed again by job code or class and title.

Employees with top appointment in the unit, by top job category		Non-Student employees	Student employees	Total	
Academic	Tenured/tenure track (TTT)	43		43	
	Instructional not TTT	Instructors/sr instr	5		5
		Other (hon/lec/visit/adj...)	11		11
		TA/GPTI/other students		38	38
	Research not TTT		53		53
Student RAs			27	27	
Classified staff		15		15	
Student hourly			41	41	
<b>Total employees</b>		<b>127</b>	<b>106</b>	<b>233</b>	

Employees with top appointment in the unit, by top job category with top job codes/classes and titles	Non-Student employees	Student employees
Academic		
Tenured/tenure track (TTT)		
1100 DISTINGUISHED PROFESSOR	2	
1101 PROFESSOR	19	
1102 ASSOCIATE PROFESSOR	13	
1103 ASST PROFESSOR	9	
Instructional not TTT		
Instructors/sr instr		
1104 SENIOR INSTRUCTOR	5	
Other (hon/lec/visit/adj...)		
1409 PROFESSOR ADJUNCT	2	
1419 LECTURER	9	
TA/GPTI/other students		
1506 TEACHING ASSISTANT		38
Research not TTT		
1303 ASST PROFESSOR-RESEARCH	2	
1305 SR RESEARCH ASSOCIATE	1	
1306 RESEARCH ASSOCIATE	16	
1310 PROFESSIONAL RESEARCH ASST	32	
1438 POST-DOCTORAL FELLOW	2	
Student RAs		
1505 RESEARCH ASSISTANT		27
Classified staff		
C9A2XX ANIMAL CARE II	1	
G2C3XX CUST SUPPORT COORD II	1	
G3A3XX ADMIN ASSISTANT II	1	
G3A4XX ADMIN ASSISTANT III	1	
G3A5XN OFFICE MANAGER I	1	
H2I5XX IT PROFESSIONAL III	1	
H2I6XX IT PROFESSIONAL IV	1	
H4R1XX PROGRAM ASSISTANT I	4	
H6G2TN GENERAL PROFESSIONAL II	1	
H6G3XN GENERAL PROFESSIONAL III	1	
H8B3XX ACCOUNTING TECHNICIAN III	2	
Student hourly		
4101 STUDENT ASST I		20
4102 STUDENT ASST II		11
4103 STUDENT ASST III		3
4104 STUDENT ASST IV		5
4105 STUDENT ASST V		2
	<b>127</b>	<b>106</b>

**Tenured and tenure-track faculty** – Counts of all tenured and tenure-track (TTT) individuals affiliated with the unit via tenure locus (full or shared), PeopleSoft appointment, status as PI (principal investigator, includes co-PI) on a grant with expenditures booked in the unit, or authorized release of information from the annual faculty report of professional activity (FRPA) to non-tenure-granting units only. Limited to individuals with tenured/tenure-track status and any appointment on PeopleSoft **as of October 1, 2010**. Includes individuals whose highest or top appointment is in a different unit. Excludes individuals whose tenure or post-tenure reviews are no longer the responsibility of this unit.

The three-part table shows counts for several subsets of the TTT affiliates group. Data on tenure locus and status and FRPA release are from Faculty Affairs; PI data are from general ledger/accounting records; other data are from PeopleSoft HR, which we know understates collaborative and honorific appointments and may carry different demographic information than other records. The “budget roster” is not used.

The last subset is individuals with a share of tenure locus in the unit, excluding chancellor and provost. Individuals with locus in two units are counted as one-half in each. This is the denominator for all “per-TTT” calculations in this profile. Throughout the profile, “TTT” means “tenured and tenure-track faculty.”

The number of TTT affiliates (line 1 of the table below) will always be as great or greater than the number of TTT with top (non-administrative) appointments shown on the prior table, and will always be as great or greater than the TTT denominator.

*See Appendix 2, Definitions, for an explanation of the columns in this and similar tables throughout the profile; Appendix 1 shows all units by review cycle. See Section 8 for a list of all affiliated tenured and tenure-track with info on affiliation.*

Affiliated tenured and tenure-track individuals 10-1-2010 – Part 1	Value	Rank, of all units	Rank, of units in own review cycle
TTT affiliates: Number of individuals with THIS unit affiliated via tenure locus, appt, PI status, or FRPA release. <i>All other counts are subsets of this.</i>	49	6 (of 61)	1 (of 10)
N w top appt as professor (distinguished, full, assoc, asst) in THIS unit – matches <i>Tenured/tenure track (TTT)</i> line of prior table	43	5 (of 49)	1 (of 7)
Others – TTT affiliates who do NOT have top appt as professor (any rank) in this unit	6	18 (of 61)	4 (of 10)
Administrative appointments			
With chancellor or provost appt	0	4 (of 61)	2 (of 10)
With vice-chancellor (not provost) or associate VC appt	0	10 (of 61)	3 (of 10)
With dean or associate dean appt	0	17 (of 61)	4 (of 10)
Collaborations and honorific appointments – Recorded on PeopleSoft only			
With distinguished professor title	2	2 (of 61)	1 (of 10)
Percentage	4%	6 (of 61)	1 (of 10)
With endowed or named chair or professorship	0	14 (of 61)	2 (of 10)
Percentage	0%	14 (of 61)	2 (of 10)
With Howard Hughes Medical Institute (HHMI) title	0	1 (of 61)	1 (of 10)
N w recorded affiliation w a research institute, by appointment, PI status, or authorization of FRPA release (100% for research institutes not shown or included in ranks)	15	3 (of 54)	2 (of 7)
Percentage	31%	7 (of 54)	4 (of 7)

Affiliated tenured and tenure-track individuals 10-1-2010 – Part 2	Value	Rank, of all units	Rank, of units in own review cycle
Demographic characteristics recorded on PeopleSoft			
Female	14	7 (of 61)	1 (of 10)
Percentage	29%	33 (of 61)	3 (of 10)
International (not US citizen or permanent resident; see definitions Appendix 2)	1	15 (of 61)	1 (of 10)
Percentage	2%	33 (of 61)	6 (of 10)
Minority race/ethnic status (Asian American, African American, Hispanic/Latino, Native American)	7	14 (of 61)	2 (of 10)
Percentage of US with known race/ethnicity	15%	32 (of 61)	3 (of 10)
Underrepresented minority (African American, Hispanic/Latino, Native American)	1	24 (of 61)	4 (of 10)
Percentage	0	39 (of 61)	7 (of 10)

Affiliated tenured and tenure-track individuals 10-1-2010 – Part 3	Value	Rank, of all units	Rank, of units in own review cycle
Appointment operating characteristics recorded on PeopleSoft			
On leave with pay (usually sabbatical)	2	15 (of 61)	4 (of 10)
On leave without pay	4	1 (of 61)	1 (of 10)
100% time, counting all appointments in all units. Includes HHMI appts.	44	6 (of 61)	1 (of 10)
Tenure locus and status (from Faculty Affairs)			
With tenure locus in this unit. <i>Remaining counts and percentages subset this number.</i>	45	5 (of 61)	1 (of 10)
Percentage	92%	33 (of 61)	3 (of 10)
Individuals with tenure locus in multiple units	0	13 (of 47)	5 (of 7)
Percentage	0%	13 (of 47)	5 (of 7)
Tenured	35	5 (of 47)	1 (of 7)
Percentage	78%	10 (of 47)	3 (of 7)
<b>TTT denominator:</b> Share of tenure locus in the unit, excluding chancellor and provost. <i>This is the denominator for all “per-TTT” calculations in this profile.</i>	45.0	5 (of 61)	1 (of 10)

**Faculty salaries and comparison to peers** – Academic year, contract salaries for CU-Boulder and American Association of Universities (AAU) public peers. Peer salaries are matched by discipline to the CU-Boulder unit. From the annual posting of comparisons; see <http://www.colorado.edu/pba/facstaff/facsal/2010-2011/index.htm> for full results and details on methods.

Faculty salaries Fall 2010	Value
CU-Boulder average salaries	
Full professor (includes distinguished)	\$119,309
Associate professor	\$80,150
Assistant professor	\$73,379
Full, associate, & assistant combined	\$96,544
Instructor and senior instructor	\$46,702
AAU public peer average salaries for this discipline	
Full professor (includes distinguished)	\$127,882
Associate professor	\$80,440
Assistant professor	\$70,419
Full, associate, & assistant combined	\$99,880
CU-Boulder average as a percentage of AAU public peer average for the discipline	
Full professor (includes distinguished)	93%
Associate professor	100%
Assistant professor	104%
Full, associate, & assistant combined	97%

### 3: Research, Scholarship, and Creative Work

Activities of TTT individuals in research, scholarship, and creative work – Each year, faculty are asked to report their professional activities via FRPA, the Faculty Report of Professional Activity. FRPA data are maintained by the Office of Faculty Affairs in the Faculty Information System.

The table shows counts of activities for each of 7 years reported by tenured and tenure-track (TTT) individuals (only!) affiliated with this unit via tenure locus (full or shared), 10-1-2010 appointment on PeopleSoft HR, or grant PI status in or FRPA release authorization to a unit not granting tenure. Counts are shown as total per average number of 10-1-2010 affiliates reporting per year to adjust for unit size. Example: 25 affiliates, average 22 reporting per year. 440 total articles reported over 7 years = 440 / 22 = average of 20 for the 7 year period per 10-1-2010 affiliate.

Institutes: Tables for alternative populations are available upon request to [IR@Colorado.edu](mailto:IR@Colorado.edu). See section 8 for person by person detail on TTT affiliates.

FRPA reports are tied to calendar year, with a given book or publication reported in one year only. See Appendix 3 for how FRPA reporting codes are grouped into the broader categories listed. See <https://frpadb.colorado.edu/pls/frpa> for more about FRPA.

<b>Seven years of activity in research, scholarship, and creative work – of TTT individuals affiliated with this unit as of 10-1-2010</b>	<b>Value</b>	<b>Rank, of all units</b>	<b>Rank, of units in own review cycle</b>
Number of individuals affiliated via tenure locus, appt on HR 10-1-2010, PI status, FRPA release	49	6 (of 61)	1 (of 10)
Number of these individuals w activity rpt'd to FRPA for calendar year			
2004	33	7 (of 61)	1 (of 10)
2005	33	9 (of 61)	1 (of 10)
2006	37	6 (of 61)	1 (of 10)
2007	30	13 (of 61)	2 (of 10)
2008	38	11 (of 61)	1 (of 10)
2009	33	12 (of 61)	1 (of 10)
2010	45	8 (of 61)	1 (of 10)
Average N per year	36	10 (of 61)	1 (of 10)
Total 7-year activities of 10-1-2010 individuals / average N reporting each year			
Refereed books and monographs	0.3	39 (of 58)	5 (of 10)
Textbooks	0.0	41 (of 42)	8 (of 8)
Edited books	0.1	43 (of 54)	7 (of 7)
Refereed articles and chapters	31.2	11 (of 61)	3 (of 10)
Conference presentations and papers	43.7	16 (of 61)	5 (of 10)
Creative works	0.1	45 (of 54)	7 (of 10)

**Grant expenditures** – Data from the Office of Contracts and Grants annual report on sponsored research by unit. “Direct” shows expenditures recorded in the unit itself. “After allocation” shows expenditures after allocation from non-tenure-granting units (including institutes) to tenure-granting departments based on the tenure locus of the principal investigator; proportionately allocated for co-PI’s and for shared tenure locus. This allocation is done in PBA reporting only. For more information on methods and the full report, see <http://www.colorado.edu/pba/facstaff/research/index.htm>.

Grant expenditures (\$ thousands) Last year = FY2011	Value	Rank, of all units	Rank, of units in own review cycle	5-Yr % change
Last 5 Years (direct)	\$45,628	9 (of 58)	3 (of 10)	
Last 5 Years (after allocation)	\$81,069	7 (of 58)	2 (of 10)	
Last Year (direct)	\$8,592	13 (of 50)	4 (of 10)	-11%
Per TTT (Share of tenure locus in the unit, excluding chancellor and provost)	\$191	12 (of 39)	3 (of 7)	-11%
Last Year (after allocation)	\$16,342	8 (of 50)	2 (of 10)	1%
Per TTT	\$363	10 (of 39)	4 (of 7)	1%

**Space** – Square feet of building space associated with a unit. Extracted by PBA in 2011 from CU-Boulder Facilities Management databases. Also shows the portion classified as classrooms, laboratories, and office space. Modified for '10-11 to show net assignable rather than gross sq ft.

Space 2011	Value	Rank, of all units	Rank, of units in own review cycle
Total square feet	70,929	10 (of 59)	2 (of 10)
Per TTT (Share of tenure locus in the unit, excluding chancellor and provost)	1,576	15 (of 45)	4 (of 7)
Percent classified as			
Classrooms			
Laboratories	46%	16 (of 43)	5 (of 9)
Office space	40%	37 (of 59)	5 (of 10)

## 4: Undergraduate Education

See Section 1: Academic Offerings for currently active degrees offered, associated majors, major options or tracks, minors, and course subjects taught. See Section 7: Undergraduate Program Goals and Emphases, for catalog statements. See Section 6: Instruction -- Graduate and Undergraduate Combined, for undergraduate as a percentage of total.

**Bachelor's degrees** – Degrees granted in fiscal year 2010-2011 (summer, fall, spring) with undergraduate majors associated with this unit. Includes second and third majors. For bachelor's degrees by major for the last five fiscal years, see <http://www.colorado.edu/pba/degrees/deglvl/fy5/progbach.htm>.

Comparative data from AAU peers on degrees by level, time to degree, and number of tenured-tenure track faculty MAY be available for this unit. For faculty counts by institution see Display F of our annual faculty salary comparison posting, like <http://www.colorado.edu/pba/facstaff/facsal/2010-2011/index.htm>. For degrees and time to degree contact [IR@Colorado.edu](mailto:IR@Colorado.edu).

Time to degree by major is based on degrees granted in FY 2011, to students entering as new freshmen. Time to degree is measured in years (12 months) of elapsed time, not enrolled time. Examples: Enter fall X, graduate fourth spring = 3.67; graduate fourth summer = 4.0. For more on methods and for full results, see <http://www.colorado.edu/pba/degrees/ttd/>.

Bachelor's degrees awarded in FY 2010-2011	Value	Rank, of all units	Rank, of units in own review cycle	5-Yr % change
Total bachelor's degrees	596	2 (of 44)	1 (of 7)	16%
Per TTT (Share of tenure locus in the unit, excluding chancellor and provost)	13.2	5 (of 43)	2 (of 7)	16%
Pct earning concurrent master's	0%	14 (of 44)	2 (of 7)	
Pct with honors in the major	4%	25 (of 44)	6 (of 7)	-33%
Pct with a major option or track recorded	3%	13 (of 44)	2 (of 7)	
Median time to degree in years, students entering as new freshmen only – <i>Rank 1 is the shortest, not longest, time to degree.</i>	3.7	1 (of 44)	1 (of 7)	
N in median time to degree stat	462			

**Undergraduate majors** – All students enrolled fall census (third week) 2010 with undergraduate majors associated with this unit, as first or second major, primary or secondary degree. Includes students in extended-studies only, and on UCB study abroad. For enrollment each fall (for ten years) by department and student level, with listings for individual majors, see <http://www.colorado.edu/pba/concepts/pbadeptenrl.htm>.

<b>Undergraduate majors and minors as of census, fall 2010</b>	<b>Value</b>	<b>Rank, of all units</b>	<b>Rank, of units in own review cycle</b>	<b>5-Yr % change</b>
Total undergraduate majors	2,507	2 (of 45)	1 (of 7)	26%
Per TTT (Share of tenure locus in the unit, excluding chancellor and provost)	55.7	6 (of 44)	3 (of 7)	26%
<b>Characteristics of total UG majors</b>				
In-state residents	65%	35 (of 45)	5 (of 7)	-5%
Female	69%	10 (of 45)	1 (of 7)	-4%
International (not US citizen or permanent resident)	1%	32 (of 45)	6 (of 7)	-43%
Minority race/ethnic status (Asian American, African American, Hispanic/Latino, Native American) as pct of US with known race/ethnicity	18%	13 (of 45)	3 (of 7)	24%
Underrepresented minority status (African American, Hispanic/Latino, Native American)	10%	12 (of 45)	3 (of 7)	25%
Associated w this unit through a second major or secondary degree program only	16%	25 (of 45)	2 (of 7)	93%
Total UG minors				

**Undergraduate courses taught** – Courses in summer 2010 - spring 2011 associated with the unit (and level) by the course subject and number of the *sponsor course*, not the department of the instructor. SCH = Student credit hours. For multi-year listings by instructor type for all units and further detail on methods, see <http://www.colorado.edu/pba/course/IGroup.xlsx>. Courses taught through extended studies (continuing education) are not included. Individual course sections are listed with sponsor section (if any) at [http://www.colorado.edu/pba/course/IGroup\\_Detail.xlsx](http://www.colorado.edu/pba/course/IGroup_Detail.xlsx).

Includes FCQ ratings, from fall/spring 2010 - 2011 only. For background on the FCQ (Faculty Course Questionnaire, student ratings of courses and their instructors) and results for individual instructors and courses, see <http://www.colorado.edu/pba/fcq/>. For FCQ data by department/course subject and level, see <http://www.colorado.edu/pba/course/gradesintro.htm>. This posting includes both FCQ ratings and grades, with average grade and grade distribution (pct A, etc.). The posting is actually at the level of a course section, with a pivot table for rolling up to, say, all lower division sections for a course subject.

Undergraduate courses FY 2010 - 2011	Value	Rank, of all units	Rank, of units in own review cycle	5-Yr % change
Total undergraduate student credit hours (SCH) taught	35,242	2 (of 50)	1 (of 7)	1%
UG SCH in individual instruction				
N	281	1 (of 48)	1 (of 7)	-3%
Pct	1%	13 (of 48)	3 (of 7)	-4%
Pct of UG SCH taught by				
TTT	21%	45 (of 48)	7 (of 7)	25%
Instructor, senior instructor	41%	10 (of 48)	2 (of 7)	-27%
GPTI/TA (student instructors; for-credit sections)				
All other credit	38%	3 (of 49)	1 (of 7)	44%
Pct of SCH taken by non-majors – <i>High percentages indicate greater service teaching.</i>	44%	39 (of 49)	6 (of 7)	
Change in SCH when non-sponsor sections are assoc'd w unit and level by their own course subject and number	53	14 (of 50)	3 (of 7)	-39%
Average size of sections in fall & spring taught by				
TTT	50	29 (of 48)	7 (of 7)	11%
Instructor, senior instructor	97	5 (of 47)	1 (of 7)	-26%
GPTI/TA (credit)				
All other credit	115	3 (of 49)	3 (of 7)	94%
Total	87	2 (of 49)	1 (of 7)	10%
FCQ ratings as % of maximum possible, averaged over forms returned				
Course rating	78%	9 (of 48)	1 (of 7)	-6%
Instructor rating	84%	6 (of 48)	1 (of 7)	-2%

**What students say**

This section displays selected student survey results. For later results, and full results of each survey by department, often with comments and additional analyses, see <http://www.colorado.edu/pba/surveys/>.

Results from the most recent **annual spring survey of graduating seniors about their post-graduation plans**, from respondents in degree programs associated with this unit. All results are shown as percentages of respondents selecting a response or group of responses. Results are shown for 6 or more respondents only. For full results, including results by major or program, see [http://www.colorado.edu/pba/surveys/senior\\_plans/11/](http://www.colorado.edu/pba/surveys/senior_plans/11/).

Percentage of graduating seniors saying spring 2011 they were planning on	Value	Rank, of all units	Rank, of units in own review cycle
Full or part-time employment	62%	19 (of 38)	4 (of 7)
Full or part-time graduate school	18%	18 (of 34)	4 (of 7)
Other (travel, student teaching, volunteer, military, family, other)	21%	16 (of 37)	4 (of 7)
N responding to survey in this unit	125		

Results from the **spring 2009 NSSE, National Survey of Student Engagement** (this is the most recent available). Although NSSE is administered to freshmen and seniors, these results are for seniors only, in this unit only. All results are shown as percentage of maximum possible response. Results are shown for 6 or more respondents only. For additional results, see <http://www.colorado.edu/pba/surveys/NSSE/09/>. The website as of Oct '09 shows preliminary, NSSE-provided results. Additional results will be posted as they become available.

What seniors say spring 2009 – Pct of maximum positive rating of	Value	Rank, of all units	Rank, of units in own review cycle
Availability of courses needed for the major	75%	18 (of 37)	4 (of 7)
Academic quality of major program	78%	18 (of 37)	4 (of 7)
Quality of academic advising from college or department	63%	14 (of 37)	4 (of 7)
Availability of advisors in college or department	65%	21 (of 37)	4 (of 7)
N responding to survey in this unit	56		

Results from the **spring 2008 senior survey** (the most recent available), from respondents referring to degree programs associated with this unit. All results are shown as percentage of maximum possible response. Results are shown for 6 or more respondents only. For full results, including results by major or program, see <http://www.colorado.edu/pba/surveys/senior/08/index.htm>. The website includes a facility to generate graphs highlighting one major or program vs. others at CU-Boulder (see “by major graphs” in the sidebar).

What seniors say spring 2008 – Pct of maximum positive rating of	Value	Rank, of all units	Rank, of units in own review cycle
Program's meeting their educational goals	70%	23 (of 41)	5 (of 7)
Satisfaction with . . . in the major			
Academic experience	74%	19 (of 42)	3 (of 7)
Opportunities for interaction with faculty	63%	33 (of 42)	5 (of 7)
Advising on course selection & academics	59%	23 (of 42)	5 (of 7)
Advising on careers & future	43%	28 (of 42)	5 (of 7)
How well UCB prepared student for job market	58%	32 (of 41)	7 (of 7)
N responding to survey in this unit	227		

## 5: Graduate Education

See Section 1: Academic Offerings section for currently active degrees offered, associated majors, major options or tracks, minors, and course subjects taught. See Section 6: Instruction -- Graduate and Undergraduate Combined for totals and undergraduate as a percentage of total instruction.

**Master's and doctoral degrees** – Degrees granted in fiscal year 2010-2011 (summer, fall, spring) with graduate-level majors associated with this department. Includes second majors. For master's and doctoral degrees by major for the last five fiscal years, see <http://www.colorado.edu/pba/degrees/degvl/fy5/progmast.htm> and <http://www.colorado.edu/pba/degrees/degvl/fy5/progdoc.htm>.

Time to degree is based on degrees granted in the three fiscal years through FY 2010-2011. A year is 12 months, measured with elapsed time, not enrolled time. The starting point is the student's first enrollment in the program *and level*. Doctoral students earning master's "en route" are generally excluded from master's time-to-degree calculations because they never appear as a master's student on student records.

Graduation rates are the percentage of a cohort entering a program, who earn a degree in that program in a specified number of calendar years counted from fall entry (August/September) through the Nth summer term (August). E.g., enter fall 2004, graduate summer 2008 = within 4 years. The rates are based on three-year entering cohorts to provide statistical stability. Depending on run date, the final trailing summer may be omitted.

- Master's: 2- and 3-year graduation rates for a single 3-year cohort, entering in three fall terms combined, as a master's student (coded as seeking a master's degree, admitted for master's study). The cohort entered fall 2006 and the two following fall terms. This is the most recent three years of entering students with full opportunity to graduate through their third summer.
- Doctoral: Cohorts are formed from students first observed any term over a three-year period summer through spring as a doctoral student (admitted for doctoral study, coded as seeking a doctoral degree). The cohort for a given graduation rate is that entering in the most recent three years with full opportunity to graduate in the specified time. For example, if degree data extended only through summer 2009, students entering in fall 2003, 2004, and 2005 all had 4 years of opportunity to graduate; they form the cohort for the 4-year graduation rate. Rates for 4, 5, 6, 8, and 10 years are shown. Because each rate is for a different cohort, it is possible to show, say, a 5-year graduation rate higher than an 8-year rate. This would indicate that students starting later, graduated faster.
- Doctoral 4-year graduation rates are unusually high for joint PhD programs (neuroscience, cognitive science) and for programs where many students enter as master's students and complete substantial work before being classified as doctoral students (integrated physiology is an example).

If the three-year cohort used for time to degree and graduation rates is fewer than four students then the associated measure is left blank and not counted in the ranks. The counts for each cohort are shown in the table.

See <http://www.colorado.edu/pba/depts/arp/ChangesInProfiles.doc> for changes December 2011 in calculation of doctoral time to degree, and master's graduation rates.

Graduate-level degrees awarded	Value	Rank, of all units	Rank, of units in own review cycle	5-Yr % change
Total master's degrees - FY 2010 - 2011	18	18 (of 45)	2 (of 7)	20%
Per TTT (Share of tenure locus in the unit, excluding chancellor and provost)	0.4	28 (of 41)	4 (of 7)	20%
Pct earning concurrent bachelor's	0%	15 (of 45)	2 (of 7)	
Median master's time to degree in years – <i>Rank 1 is the shortest, not longest, time to degree.</i>				
N in median time to degree stat				
Master's graduation rates: Percentage graduating within				
2-year graduation rate				
3-year graduation rate				
N in grad rate cohort				
Total doctoral degrees - FY 2010 - 2011	19	4 (of 40)	1 (of 8)	19%
Per TTT	0.4	16 (of 38)	2 (of 7)	19%
Median doctoral time to degree in years – <i>Rank 1 is the shortest, not longest, time to degree.</i>	6.0	22 (of 37)	6 (of 8)	
N in median time to degree stat	49			
Doctoral graduation rates: Percentage graduating within				
4 years	2%	29 (of 38)	7 (of 8)	-78%
5 years	21%	19 (of 38)	6 (of 8)	-28%
6 years	50%	12 (of 39)	4 (of 8)	6%
8 years	76%	5 (of 39)	3 (of 8)	13%
10 years	67%	17 (of 36)	5 (of 6)	-9%
Graduation rates: N in cohorts for				
4 years	50			
5 years	48			
6 years	48			
8 years	55			
10 years	52			

**Graduate-level majors** – All students enrolled fall census 2010 with graduate-level majors associated with this department. Includes first and second majors, primary and secondary degrees, students enrolled through extended studies only. For enrollment each fall for ten years by department and student level, with listings for individual majors, see <http://www.colorado.edu/pba/concepts/pbadeptenrl.htm>.

Graduate-level majors, fall census 2010	Value	Rank, of all units	Rank, of units in own review cycle	5-Yr % change
Total majors	94	17 (of 47)	1 (of 8)	11%
Total master's majors	12	33 (of 45)	6 (of 7)	
Per TTT (Share of tenure locus in the unit, excluding chancellor and provost)	0.3	33 (of 41)	6 (of 7)	
Total doctoral majors	82	13 (of 40)	1 (of 8)	-4%
Per TTT	1.8	28 (of 38)	6 (of 7)	-4%
<b>Characteristics of total graduate-level majors</b>				
Doctoral level	87%	13 (of 47)	3 (of 8)	-13%
In-state residents	88%	3 (of 47)	2 (of 8)	7%
Female	54%	19 (of 47)	3 (of 8)	-15%
International (not US citizen or permanent resident)	3%	38 (of 47)	7 (of 8)	-32%
Minority race/ethnic status (Asian American, African American, Hispanic/Latino, Native American) as pct of US with known race/ethnicity	2%	45 (of 47)	7 (of 8)	-82%
Underrepresented minority status (African American, Hispanic/Latino, Native American)	0%	43 (of 47)	7 (of 8)	-100%
Associated w this unit through a second major or secondary degree program only	12%	3 (of 47)	3 (of 8)	

**Graduate-level matriculants** – Students new to graduate-level work at CU-Boulder entering a major (master's or doctoral) associated with this unit in fall term 2010. Some units do not require GRE's for some programs or some applicants. GRE analytical writing scores are not currently available.

Graduate-level fall matriculants	Value	Rank, of all units	Rank, of units in own review cycle	5-Yr % change
Number	7	40 (of 45)	7 (of 7)	-46%
Pct Colorado resident	43%	8 (of 45)	2 (of 7)	11%
Pct US non-resident	57%	21 (of 45)	4 (of 7)	-7%
Pct international (not US citizen or permanent resident)	0%	35 (of 45)	5 (of 7)	
Number with GRE scores	6	39 (of 45)	7 (of 7)	-50%
<b>Average GRE scores</b>				
Verbal	563	24 (of 41)	5 (of 7)	-9%
Quantitative	702	17 (of 41)	1 (of 7)	3%
Analytic				

**Teaching and research assistantships** – See Section 1, Faculty and Staff.

**Graduate-level courses taught** – Courses in summer 2010 - spring 2011 associated with the unit (and level) by the course subject and number of the *sponsor course*, not the department of the instructor. SCH = Student credit hours. For multi-year listings by instructor type for all units, see <http://www.colorado.edu/pba/course/IGroup.xlsx>. Courses taught through extended studies (continuing education) are not included. Individual course sections are listed with sponsor section (if any) at [http://www.colorado.edu/pba/course/IGroup\\_Detail.xlsx](http://www.colorado.edu/pba/course/IGroup_Detail.xlsx).

Includes FCQ ratings, from fall/spring 2010 - 2011 only. For background on the FCQ (Faculty Course Questionnaire, student ratings of courses and their instructors) and results for individual instructors and courses, see <http://www.colorado.edu/pba/fcq/>. For FCQ data by department/course subject and level, see <http://www.colorado.edu/pba/course/gradesintro.htm>. This posting includes both FCQ ratings and grades, with average grade and grade distribution (pct A, etc.). The posting is actually at the level of a course section, with a pivot table for rolling up to, say, all lower division sections for a course subject.

Graduate-level courses FY 2010 - 2011	Value	Rank, of all units	Rank, of units in own review cycle	5-Yr % change
Total graduate-level student credit hours (SCH) taught	1,535	15 (of 50)	1 (of 7)	-1%
Graduate SCH in individual instruction				
N	610	12 (of 47)	1 (of 7)	-10%
Pct	40%	20 (of 47)	6 (of 7)	-9%
Pct of SCH taught by				
TTT	97%	17 (of 49)	2 (of 7)	4%
Instructor, senior instructor				
GPTI/TA (student instructors; for-credit sections)				
All other	3%	28 (of 41)	5 (of 7)	-52%
Change in SCH when non-sponsor sections are assoc'd w unit and level by their own course subject and number	81	19 (of 50)	4 (of 7)	8%
FCQ ratings as % of maximum possible, averaged over forms returned				
Course rating	87%	3 (of 42)	1 (of 7)	-6%
Instructor rating	90%	6 (of 42)	2 (of 7)	-3%

**What students say** – This section displays selected student survey results. For later results, and full results of each survey by department, often with comments and additional analyses, see <http://www.colorado.edu/pba/surveys/>.

Results from the fall 2009 graduate survey (the most recent available, next administration fall 2013), from respondents in degree programs associated with this unit. All results are shown as percentage of maximum possible response. Results are shown for 6 or more respondents only. For full results, including results by program separately for master's and doctoral students, see <http://www.colorado.edu/pba/surveys/grad/09/>.

What graduate students say, fall 2009 – Pct of maximum positive rating of	Value	Rank, of all units	Rank, of units in own review cycle
Program quality	79%	4 (of 42)	1 (of 7)
Relationship between faculty and graduate students	75%	5 (of 42)	2 (of 7)
Program space and facilities	59%	9 (of 42)	3 (of 7)
Academic advising and guidance	64%	14 (of 42)	3 (of 7)
Assistance finding employment	50%	25 (of 42)	6 (of 7)
Opportunity to interact across disciplines	60%	11 (of 42)	4 (of 7)
N responding to survey in this unit	52		

## 6: Instruction -- Graduate and Undergraduate Combined

Definitions of degrees, majors, and SCH are as in Sections 4 and 5.

This table adds one measure: Direct instructional expenditures. General fund (fund 10) expenditures, FY 2011, for salaries of faculty and others (account 400000 (salaries and wages)); operating expenses (account 450000); travel (account 700000); and 21.2% of salaries to represent benefits. Sponsored research activity is not included. This is the definition called for by the National Study of Instructional Costs and Productivity, also known as the Delaware Study. CU-Boulder submits data by unit to the Delaware Study annually. See <http://www.colorado.edu/pba/course/delaware/ovv.htm> for details.

Caution: The “direct instructional expenditure” represents only the portion of instructional costs actually incurred in the unit (plus benefits). Costs for buildings, electricity, the library, accounting, administration, student services, and so on are not included. Furthermore, the type of expenditure in a unit will necessarily differ depending on whether the unit is itself a school or college, vs. a unit within a school or college.

<b>Graduate &amp; undergraduate combined</b>	<b>Value</b>	<b>Rank, of all units</b>	<b>Rank, of units in own review cycle</b>	<b>5-Yr % change</b>
Total degrees FY 2011	633	2 (of 52)	1 (of 8)	16%
Per TTT (Share of tenure locus in the unit, excluding chancellor and provost)	14.1	4 (of 46)	2 (of 7)	16%
Pct undergraduate	94%	10 (of 52)	2 (of 8)	0%
Total majors fall census 2010	2,601	2 (of 52)	1 (of 8)	26%
Per TTT	57.8	7 (of 46)	3 (of 7)	26%
Pct undergraduate	96%	6 (of 52)	1 (of 8)	1%
Total student credit hours (SCH) taught FY 2011	36,777	2 (of 53)	1 (of 7)	1%
Per TTT	817.3	16 (of 46)	1 (of 7)	1%
Pct undergraduate	96%	14 (of 53)	1 (of 7)	0%
Direct instructional expenditure FY 2011				
Dollars (millions)	\$7.31	6 (of 51)	1 (of 7)	
Per SCH	\$154	44 (of 51)	6 (of 7)	

## 7: Undergraduate Program Goals and Emphases

Undergraduate degree program emphases and goals for students, are stated in the catalog.

Catalog material for units is excerpted and posted *only* for units undergoing review in 2011-2012. For these units, select the "C" link in the listing available from <http://www.colorado.edu/pba/depts/arp/index.html>. For catalog material for other units, including goals for other units offering undergraduate degrees, search for the unit name at <http://www.colorado.edu/catalog/catalog11-12/>.

## 8: List of Tenured and Tenure-Track Faculty

The **first table shows TTT affiliates**: All tenured and tenure-track (TTT) individuals affiliated with the unit via tenure locus (full or shared), PeopleSoft appointment, status as PI (principal investigator, includes co-PI) on a grant with expenditures booked in the unit, or authorized release of information from the annual faculty report of professional activity (FRPA) to non-tenure-granting units only. Limited to individuals with tenured/tenure-track status and any appointment on PeopleSoft **as of October 1, 2010**. Includes individuals whose highest or top appointment is in a different unit. Excludes individuals whose tenure or post-tenure reviews are no longer the responsibility of this unit. These are the same individuals counted in the “Tenured and tenure-track faculty” table in Section 2, Faculty and Staff.

The column “Top’ appt Big3, this unit” is “Yes” for individuals counted as TTT in the “employees by job category” table at the top of Section 2. “Big3” means full, associate, assistant, or distinguished professor. The column “N yrs FRPA” shows the number of the seven calendar years through 2010 this individual shows books, publications, or creative work reported to FRPA (see Section 3).

Tenure locus 1 and 2 are shown with PBA department or unit codes; the codes are listed in Appendix 1 along with unit names. The last column, “Contrib to TTT Denom,” is 1.0 for individuals with tenure locus only in this unit, excluding chancellor and provost. It is 0.5 for those with shared tenure locus. This is the denominator for all “per TTT” calculations in this profile.

The **second table** shows the subset of TTT affiliates with **administrative or honorific appointments**, or on leave – if any have such recorded on PeopleSoft.

The **third table** shows the subset of TTT affiliates who contribute to the TTT denominator of this unit and have **affiliations to any other units**; the units themselves are listed along with a note about the nature of the affiliation, a hierarchy with these values:

- A: Tenure locus (or share of locus) in unit
- B: Top appt in unit as prof-assoc-asst (*but not tenure locus*)
- C: Administrative appt in unit including institute director (*but not tenure locus or top appt*)
- D: Appointment in unit (*but not A, B, or C*)
- E: PI on grant (active grants only) in the unit (*but not tenure locus or any appointment*)
- F: Authorized release of FRPA info to unit (*but none of the above*)

The **fourth table** shows the subset of TTT affiliations who do NOT contribute to the TTT denominator of this unit, showing the **nature of their affiliation with this unit** and their tenure department.

The **last table** shows the **PeopleSoft department ID numbers** associated by PBA with the unit, and their PeopleSoft descriptions. Department IDs are used by PBA to associate employees and money with a unit.

TTT Affiliates	Job title	Tenure locus 1	Tenure locus 2	'Top' appt Big3, this unit	Tenured	Rsrch inst	N yrs FRPA	Contrib to TTT denom	% time, all appts
ALLEN, DAVID LEHIGH	ASST PROFESSOR	IPHY					7	0.0	100%
ARCH, JOANNA JENNIFER	ASST PROFESSOR	PSYC		Yes			1	1.0	100%
BACHTELL, RYAN KARN	ASST PROFESSOR	PSYC		Yes			3	1.0	100%
BANICH, MARIE	DIRECTOR-INSTITUTE	PSYC			Yes	Yes	6	1.0	100%
BARTH, DANIEL	PROFESSOR	PSYC		Yes	Yes		6	1.0	100%
BLAIR, IRENE VERNA	ASSOCIATE PROFESSOR	PSYC		Yes	Yes		7	1.0	100%
BRYAN, ANGELA	PROFESSOR	PSYC		Yes	Yes		4	1.0	100%
CAMPEAU, SERGE	ASSOCIATE PROFESSOR	PSYC		Yes	Yes		7	1.0	100%

TTT Affiliates	Job title	Tenure locus 1	Tenure locus 2	'Top' appt Big3, this unit	Tenured	Rsrch inst	N yrs FRPA	Contrib to TTT denom	% time, all appts
CAREY, GREGORY	ASSOCIATE PROFESSOR	PSYC		Yes	Yes		1	1.0	100%
CHISZAR, DAVID A	PROFESSOR	PSYC		Yes	Yes		3	1.0	100%
COHEN, GEOFFREY LAWRENCE	ASSOCIATE PROFESSOR	PSYC		Yes	Yes		1	1.0	100%
COLUNGA, ELIANA	ASST PROFESSOR	PSYC		Yes			5	1.0	100%
COOPER, DONALD C	ASSOCIATE PROFESSOR	PSYC		Yes		Yes	2	1.0	100%
CURRAN, TIMOTHY	PROFESSOR	PSYC		Yes	Yes	Yes	7	1.0	100%
DEFRIES, JOHN C	PROFESSOR	PSYC		Yes	Yes	Yes	7	1.0	82%
DIMIDJIAN, SONA ARMINE	ASST PROFESSOR	PSYC		Yes		Yes	4	1.0	100%
FINKELSTEIN, NOAH D	ASSOCIATE PROFESSOR	PHYS					7	0.0	100%
HARVEY, LEWIS ORVIS	PROFESSOR	PSYC		Yes	Yes		7	1.0	100%
HEALY, ALICE F	PROFESSOR	PSYC		Yes	Yes		7	1.0	100%
HERNANDEZ, THERESA D	ASSOCIATE PROFESSOR	PSYC		Yes	Yes		7	1.0	100%
HEWITT, JOHN K	DIRECTOR-INSTITUTE	PSYC			Yes	Yes	7	1.0	100%
HUTCHISON, KENT EDWARD	PROFESSOR	PSYC		Yes	Yes		2	1.0	100%
ITO, TIFFANY ANNE	ASSOCIATE PROFESSOR	PSYC		Yes	Yes		7	1.0	100%
JONES, MATTHEW CARL	ASST PROFESSOR	PSYC		Yes			3	1.0	100%
JUDD, CHARLES M	PROFESSOR	PSYC		Yes	Yes		3	1.0	100%
KELLER, MATTHEW C	ASST PROFESSOR	PSYC		Yes			2	1.0	100%
KIM, ALBERT E.	ASST PROFESSOR	PSYC		Yes		Yes	4	1.0	100%
MAIER, STEVEN F	DISTINGUISHED PROFESSOR	PSYC		Yes	Yes		4	1.0	100%
MCCLELLAND, GARY	PROFESSOR	PSYC		Yes	Yes		5	1.0	100%
MCGRAW, ALBERT PETER	ASST PROFESSOR	BADM					7	0.0	100%
MIKLOWITZ, DAVID J	PROFESSOR	PSYC		Yes	Yes		5	1.0	100%
MITTAL, VIJAY	ASST PROFESSOR	PSYC		Yes			1	1.0	100%
MIYAKE, AKIRA	PROFESSOR	PSYC		Yes	Yes	Yes	3	1.0	100%
MUNAKATA, YUKO	PROFESSOR	PSYC		Yes	Yes	Yes	6	1.0	100%
O'REILLY, RANDALL CHARLES	PROFESSOR	PSYC		Yes	Yes	Yes	7	1.0	100%
OLSON, RICHARD KELLOGG	PROFESSOR	PSYC		Yes	Yes	Yes	7	1.0	100%
PARK, BERNADETTE	PROFESSOR	PSYC		Yes	Yes		7	1.0	100%
PATTERSON, SUSAN L	ASST PROFESSOR	PSYC		Yes			7	1.0	100%
RHEE, SOO H	ASSOCIATE PROFESSOR	PSYC		Yes	Yes	Yes	7	1.0	100%
RUDY, JERRY W	PROFESSOR	PSYC		Yes	Yes		4	1.0	100%
SAMMAKIA, TAREK	PROFESSOR	CHEM					7	0.0	100%
SPENCER, ROBERT L	PROFESSOR	PSYC		Yes	Yes		7	1.0	100%
STALLINGS, MICHAEL C	ASSOCIATE PROFESSOR	PSYC		Yes	Yes	Yes	7	1.0	100%
VAN BOVEN, LEAF D	ASSOCIATE PROFESSOR	PSYC		Yes	Yes		7	1.0	100%
WAGER, TOR DESSART	ASSOCIATE PROFESSOR	PSYC		Yes	Yes	Yes	1	1.0	100%
WATKINS, LINDA R	DISTINGUISHED PROFESSOR	PSYC		Yes	Yes		4	1.0	100%
WEATHERLEY, DONALD A	ASSOCIATE PROFESSOR	PSYC		Yes	Yes		6	1.0	100%
WHISMAN, MARK	PROFESSOR	PSYC		Yes	Yes		6	1.0	100%
WILLCUTT, ERIK G	ASSOCIATE PROFESSOR	PSYC		Yes	Yes	Yes	7	1.0	100%
N = 49									

TTT affiliates w administrative or honorific appts, or on leave	Contrib to TTT denom	Disting prof	Endowed or named chair or prof	HHMI	Chancellor, provost appt	VC (not provost), associate VC appt	Dean, associate dean appt	On leave
BRYAN, ANGELA	1.0							W/o pay
COHEN, GEOFFREY LAWRENCE	1.0							W/o pay
HEALY, ALICE F	1.0							W pay
HUTCHISON, KENT EDWARD	1.0							W/o pay
MAIER, STEVEN F	1.0	Yes						
MIKLOWITZ, DAVID J	1.0							W/o pay
WATKINS, LINDA R	1.0	Yes						
WILLCUTT, ERIK G	1.0							W pay

Unit an individual contributing to this unit's TTT denominator is affiliated with	PBA unit code	Unit is a research institute	Name	How the individual is affiliated with unit listed
Biology-MCD	MCDB		HEWITT, JOHN K	E: PI on grant in the unit
Biology-MCD	MCDB		STALLINGS, MICHAEL C	E: PI on grant in the unit
Chemistry & Biochemistry	CHEM		MAIER, STEVEN F	E: PI on grant in the unit
Chemistry & Biochemistry	CHEM		WATKINS, LINDA R	E: PI on grant in the unit
Computer Science	CSCI		COLUNGA, ELIANA	D: Appointment in unit
Continuing Education	CONT		COOPER, DONALD C	D: Appointment in unit
IBG: Behavioral genetics	IBG	Yes	BANICH, MARIE	E: PI on grant in the unit
IBG: Behavioral genetics	IBG	Yes	COOPER, DONALD C	D: Appointment in unit
IBG: Behavioral genetics	IBG	Yes	CURRAN, TIMOTHY	E: PI on grant in the unit
IBG: Behavioral genetics	IBG	Yes	DEFRIES, JOHN C	D: Appointment in unit
IBG: Behavioral genetics	IBG	Yes	HEWITT, JOHN K	C: Administrative appt in unit incl inst dir
IBG: Behavioral genetics	IBG	Yes	MIYAKE, AKIRA	E: PI on grant in the unit
IBG: Behavioral genetics	IBG	Yes	O'REILLY, RANDALL CHARLES	E: PI on grant in the unit
IBG: Behavioral genetics	IBG	Yes	OLSON, RICHARD KELLOGG	E: PI on grant in the unit
IBG: Behavioral genetics	IBG	Yes	RHEE, SOO H	E: PI on grant in the unit
IBG: Behavioral genetics	IBG	Yes	STALLINGS, MICHAEL C	D: Appointment in unit
IBG: Behavioral genetics	IBG	Yes	WILLCUTT, ERIK G	E: PI on grant in the unit
ICS: Cognitive science	COGS	Yes	BANICH, MARIE	C: Administrative appt in unit incl inst dir
ICS: Cognitive science	COGS	Yes	CURRAN, TIMOTHY	E: PI on grant in the unit
ICS: Cognitive science	COGS	Yes	DEFRIES, JOHN C	E: PI on grant in the unit
ICS: Cognitive science	COGS	Yes	DIMIDJIAN, SONA ARMINE	E: PI on grant in the unit
ICS: Cognitive science	COGS	Yes	HEWITT, JOHN K	E: PI on grant in the unit
ICS: Cognitive science	COGS	Yes	KIM, ALBERT E.	D: Appointment in unit
ICS: Cognitive science	COGS	Yes	MUNAKATA, YUKO	E: PI on grant in the unit
ICS: Cognitive science	COGS	Yes	O'REILLY, RANDALL CHARLES	E: PI on grant in the unit
ICS: Cognitive science	COGS	Yes	OLSON, RICHARD KELLOGG	E: PI on grant in the unit
ICS: Cognitive science	COGS	Yes	WAGER, TOR DESSART	D: Appointment in unit
ICS: Cognitive science	COGS	Yes	WILLCUTT, ERIK G	E: PI on grant in the unit

N = 28

How affiliated with THIS unit -- individuals NOT contributing to this unit's TTT denominator	Name	Job title	Tenure department	Second tenure dept if any
E: PI on grant in the unit	SAMMAKIA, TAREK	PROFESSOR	Chemistry & Biochemistry	

How affiliated with THIS unit -- individuals NOT contributing to this unit's TTT denominator	Name	Job title	Tenure department	Second tenure dept if any
E: PI on grant in the unit	ALLEN, DAVID LEHIGH	ASST PROFESSOR	Integrative Physiology	
D: Appointment in unit	MCGRAW, ALBERT PETER	ASST PROFESSOR	Leeds School of Business	
E: PI on grant in the unit	FINKELSTEIN, NOAH D	ASSOCIATE PROFESSOR	Physics	
N = 4				

PeopleSoft dept IDs assoc w this unit	Description
10190	PSYCH-PSYCHOLOGY
10191	PSYCH-COMP LAB,PSYCH RSCH INST
10192	PSYCH-PSYCHOLOGY CLINIC
10193	IIP-PSYCHOLOGY

## Appendix 1: Units Considered with Review Cycles

Lists all units slated for Academic Review and Planning (ARP) as of September 2010 – this list is subject to change! Throughout the profile, “Rank, of all units” refers to all units listed below with profiles. “Rank, of units in own review cycle” refers to the review cycles listed below. All profiles are posted at

<http://www.colorado.edu/pba/depts/arp/>.

### ARP review year=2011-2012

Unit	Degree types offered	Profile generated	Has majors	Offers courses	Grants tenure	Prior review	PBA code
Ecology & Evolutionary Biology	BMD	Yes	Yes	Yes	Yes	2005	EBIO
Environmental Studies	BMD	Yes	Yes	Yes	Yes	2001	ENVS
Geography	BMD	Yes	Yes	Yes	Yes	2000	GEOG
Geological Sciences	BMD	Yes	Yes	Yes	Yes	2004	GEOL
Inst of Arctic & Alpine Research (INSTAAR)		Yes				2004	INSR
Institute for Behavioral Genetics (IBG)		Yes				2002	IBG
Institute of Cognitive Science (ICS)	--D	Yes	Yes			2000	COGS
Integrative Physiology	BMD	Yes	Yes	Yes	Yes	2001	IPHY
Molecular Cell & Developmental Biology (MCDB)	BMD	Yes	Yes	Yes	Yes	2003	MCDB
Psychology and Neuroscience	BMD	Yes	Yes	Yes	Yes	2004	PSYC
<b>N = 10</b>							

### ARP review year=2012-2013

Unit	Degree types offered	Profile generated	Has majors	Offers courses	Grants tenure	Prior review	PBA code
Anthropology	BMD	Yes	Yes	Yes	Yes	2005	ANTH
Communication	BMD	Yes	Yes	Yes	Yes	2003	COMM
Economics	BMD	Yes	Yes	Yes	Yes	2004	ECON
Ethnic Studies	B--	Yes	Yes	Yes	Yes	2006	ETHN
Institute of Behavioral Science (IBS)		Yes				2002	IBS
International Affairs	B--	Yes	Yes	Yes		2002	IAFS
Linguistics	BMD	Yes	Yes	Yes	Yes	2006	LING
Political Science	BMD	Yes	Yes	Yes	Yes	2002	PSCI
Sociology	BMD	Yes	Yes	Yes	Yes	2001	SOCY
Speech, Language and Hearing Sciences	BMD	Yes	Yes	Yes	Yes	2000	SLHS
Women and Gender Studies	B--	Yes	Yes	Yes	Yes	2006	WMST
<b>N = 11</b>							

### ARP review year=2013-2014

Unit	Degree types offered	Profile generated	Has majors	Offers courses	Grants tenure	Prior review	PBA code
Continuing Education		Yes	Yes			2003	CONT
Engineering Management Program	-M-	Yes	Yes	Yes			EMEN

Unit	Degree types offered	Profile generated	Has majors	Offers courses	Grants tenure	Prior review	PBA code
Honors Program		Yes		Yes		1999	HONR
Interdisciplinary Telecommunications	-MD	Yes	Yes	Yes		2006	TLEN
Leeds School of Business	BMD	Yes	Yes	Yes	Yes	2005	BADM
Libraries		Yes		Yes	Yes	2000	LIBR
Museum	-M-	Yes	Yes	Yes		2006	MUSM
RAPS						2002	
School of Education	-MD	Yes	Yes	Yes	Yes	2005	EDUC
School of Journalism and Mass Communication	BMD	Yes	Yes	Yes	Yes	2003	JOUR
School of Law	-MD	Yes	Yes	Yes	Yes	2002	LAWS
<b>N = 11</b>							

**ARP review year=2014-2015**

Unit	Degree types offered	Profile generated	Has majors	Offers courses	Grants tenure	Prior review	PBA code
FTEP						2000	
GTP						2000	
ITS						2003	
<b>N = 3</b>							

**ARP review year=2015-2016**

Unit	Degree types offered	Profile generated	Has majors	Offers courses	Grants tenure	Prior review	PBA code
Anderson Language Technology Center							
Art & Art History	BM-	Yes	Yes	Yes	Yes	2005	AAAH
Asian Languages and Civilizations		Yes	Yes	Yes	Yes	2001	ALAC
Center for Asian Studies							
Center for Humanities and the Arts							CHUA
Center for Medieval & Early Modern Studies							
Classics	BMD	Yes	Yes	Yes	Yes	2005	CLAS
College of Music	BMD	Yes	Yes	Yes	Yes	2007	MUSC
Comparative Literature Program		Yes	Yes	Yes		2006	CMLT
English	BMD	Yes	Yes	Yes	Yes	2004	ENGL
Film Studies	B--	Yes	Yes	Yes	Yes	2000	FILM
French and Italian	BMD	Yes	Yes	Yes	Yes	2004	FRIT
Germanic and Slavic Languages and Literature	BM-	Yes	Yes	Yes	Yes	2001	GSLL
History	BMD	Yes	Yes	Yes	Yes	2003	HIST
Humanities		Yes	Yes	Yes	Yes	2006	HUMN
Philosophy	BMD	Yes	Yes	Yes	Yes	2003	PHIL
Program in Writing & Rhetoric		Yes		Yes		2006	PWRT
Religious Studies	BM-	Yes	Yes	Yes	Yes	2000	RLST
Spanish and Portuguese	BMD	Yes	Yes	Yes	Yes	2002	SPAN

Unit	Degree types offered	Profile generated	Has majors	Offers courses	Grants tenure	Prior review	PBA code
Theatre and Dance	BMD	Yes	Yes	Yes	Yes	2004	THDN
<b>N = 20</b>							

**ARP review year=2016-2017**

Unit	Degree types offered	Profile generated	Has majors	Offers courses	Grants tenure	Prior review	PBA code
Applied Mathematics	BMD	Yes	Yes	Yes	Yes	2003	APPM
Astrophysical and Planetary Sciences (APS)	BMD	Yes	Yes	Yes	Yes	2002	APS
Atmospheric and Oceanic Sciences	-MD	Yes	Yes	Yes	Yes	2001	ATOC
Chemistry and Biochemistry	BMD	Yes	Yes	Yes	Yes	2007	CHEM
Coop Inst/Rsrch Environmental Sciences CIRES		Yes				2006	CIRS
Joint Inst for Laboratory Astrophysics (JILA)		Yes				2006	JILA
Lab for Atmospheric & Space Physics (LASP)		Yes				2006	LASP
Mathematics	BMD	Yes	Yes	Yes	Yes	2001	MATH
Physics	BMD	Yes	Yes	Yes	Yes	2001	PHYS
<b>N = 9</b>							

**ARP review year=2017-2018**

Unit	Degree types offered	Profile generated	Has majors	Offers courses	Grants tenure	Prior review	PBA code
Aerospace Engineering Sciences	BMD	Yes	Yes	Yes	Yes	2010-2011	ASEN
Chemical and Biological Engineering	BMD	Yes	Yes	Yes	Yes	2010-2011	CHEN
Civil Envirn & Architectural Engineering	BMD	Yes	Yes	Yes	Yes	2010-2011	CVEN
Computer Science	BMD	Yes	Yes	Yes	Yes	2010-2011	CSCI
Electrical, Computer and Energy Engineering	BMD	Yes	Yes	Yes	Yes	2010-2011	ECEN
Mechanical Engineering	BMD	Yes	Yes	Yes	Yes	2010-2011	MCEN
<b>N = 6</b>							

## Appendix 2: Definitions

### Most of the tables throughout the profile have the following columns:

- *Value*: A count, or an amount of money or space, or a percentage, or a ratio (per TTT). Defined in the row header and in the text introducing the table.
- A blank in the value column means the data are not available on this measure for this unit.
- The symbol ^^ in the value column indicates that the value is not displayed because the number of cases on which it's based is too low for reliability. This occurs occasionally for FCQ's (where N of sections is low), more with GRE scores, and most notably with student surveys, especially the graduate survey. Average ratings from surveys are reported only for 6 or more respondents. FCQ's, GRE's, and time to degree are suppressed if they are based on fewer than 4 cases.
- *Rank, of all units*: Rank on the measure in question in comparison to all CU-Boulder units with profiles which have data on the measure in question. See Appendix 1 for a list of all units with profiles.
- Units with ranks in the top 10 or so (rank = 1, 2, 3, etc.) generally have larger values on the measure – the most majors, most degrees, highest percentage, etc. Units with the fewest majors or degrees, or the lowest percentage of something, will have ranks at the other end – e.g., 50 (of 55) or 32 (of 43).
- Exception!!! For all time-to-degree measures, rank=1 indicates the unit with the *shortest* time to degree, not the longest.
- Although most comparisons include 40-plus departments, schools and colleges, and institutes, the exact number varies with the availability of data and structure of programs. For example, departments without PhD programs do not count in some graduate comparisons; institutes have employees and research activity but generally have no data in the Undergraduate Education section.
- Ranks for units with equal (tied) values are listed as the lowest-numbered rank. For example, if 13 units had one or more bachelor's degrees earned as part of a concurrent bachelor's-master's program (Section 4), units with zero would all show rank 14.
- *Rank, of units in own review cycle*: Same concept as rank of all units, but restricted to those units in the same review cycle. See Appendix 1 for listings.
- *5-Yr % change*: This number equals the increase or decrease (as a percentage) in the measure from its value five years previously for the same unit. Positive values indicate an increase, negative values a decrease, and values near zero mean little change. For example, 50% indicates an increase such as from 20 to 30 faculty. Negative 50% means a decrease such as from 20 to 10 faculty.
- *Not listed in a table if no data available.*

### Per TTT

Throughout, the “per TTT” measures are calculated by dividing a count or other amount by the number shown in the Tenured and Tenure-Track (TTT) Faculty table in Section 2, in the last row. This row is labeled “TTT Denominator: Share of tenure locus in the unit, excluding chancellor and provost.” *This is the denominator for all “per-TTT” calculations in this profile.* Individuals with tenure locus in two units contribute one-half to the TTT denominator of each unit.

### Top appointment:

Used in the first two tables of Section 2, Faculty and Staff, only. Shown in Section 8, list of TTT affiliates.

- Relevant only for individuals with multiple coincident appointments on PeopleSoft HR.
- When an individual has multiple appointments, Planning, Budget, and Analysis uses a hierarchy based on job title, and in some cases percent time and annual salary, to determine the top appointment for each individual for reporting.
- PBA assigns each appointment job title a hierarchy position, then sorts all appointment job titles for an individual by hierarchy position. The lowest-numbered job title hierarchy position determines an individual's top appointment. If an individual has multiple appointments with the same job title hierarchy position then we select the appointment with the larger appointment percent time and annualized salary.
- Hierarchy positions:

- 1: Campus officers (Chancellor, Provost, Associate and Assistant Vice Chancellor job titles, and Deans)
- 2: Institute Director
- 3: Dean and Associate and Assistant Dean job titles
- 4: Administrator job titles with an appointment percent time of 50 percent or greater (professional exempt)
- 5: Tenured and tenure-track professor titles (distinguished, full, associate, and assistant). This group is also known as “Big 3” titles.
- 6: All appointments not explicitly listed in positions 1-5 or 7-9. Includes classified staff and research, clinical, and other instructional faculty (excluding titles in positions 7-9)
- 7: Attendant ranks, Lecturer and Honorarium job titles
- 8: Student job titles (graduate part-time instructor, graduate assistant, teaching assistant, research assistant, and student assistant)
- 9: Post doc.
- If multiple appointments are tied on hierarchy position, percent time, and annual salary, the earlier position entry date is used. If still tied, the appointment with the lower PeopleSoft department ID number is used as an arbitrary tie-breaker to ensure consistency.
- Individuals shown in the “Tenured and tenure-track (TTT)” line of the first table in section 2, on Employees with top appointment in the unit, by top job category, are those whose top appointment is in the unit in hierarchy position 5 in the list above. Also known as Top – Big3.

### Degrees

- Degrees with award dates in summer-fall-spring with a major associated with the unit. The major may be the first, second, or third major.
  - Caution: Degrees are generally posted to the student information system a few weeks after commencement. Degrees posted later (even years later) will cause mismatches between counts published in different places.
  - Caution: Low N’s, especially for graduate degrees, make comparisons over time or across units tricky.
- *Concurrent master’s*: A formal program wherein students earn both bachelor’s and master’s degrees at the same time, in approved pairings. The two degrees are allowed to share some credit hours, usually six. The major codes end in ‘2.’ For counts over time by program, see <http://www.colorado.edu/pba/concepts/BAMAdegs.htm>.
- *Honors in the major*: Any honors notation on the degree record for the major associated with the unit. These are S, M, C (summa, magna, cum laude) in Arts and Sciences, and D (distinction) in Engineering and Journalism. *Calculation: (non-blank honors variable associated with the student's major in the unit, in trackdb.degall)*
- *Major option or track* recorded: Any notation on the degree record for the major associated with the unit. Examples: CRW (creative writing) within English; PRO (for the professions) within Spanish. *Calculation: (non-blank option variable associated with the student's major in the unit, in trackdb.degall)*

### Majors

- *Majors*: Students enrolled in a term with a major (at census) associated with the unit. The major may be in any position – primary or secondary degree, first or second major. (Third majors are not included.) Includes students enrolled through CU study abroad, students enrolled exclusively through continuing education, and those enrolled through faculty-staff tuition waivers.
- *UG majors*: The student’s attempted degree associated with the major in question is a bachelor’s degree or undergraduate certificate (for Education only). Concurrent bachelor’s-master’s students are generally counted under both UG majors and Graduate-level majors.

### Characteristics of majors

- *In-state residents*: Classified as in-state for state reporting purposes at census. Census is end of the third week of fall classes. *Calculation: (reporting residency eq ‘N’)*
- *Female*: From self-reported gender. *Calculation: (gender eq ‘F’)*

- *International*: Student is not a US citizen or permanent resident on the student information system; from visa and foreign-student information. *Calculation*: (reporting ethnicity eq 'Z')
- *Minority*: Students self-reporting as African American, Asian American, Hispanic/Latino, or American Indian/Native American, as a proportion of total US majors with known race/ethnicity. International students are excluded from the calculation; US means citizens or permanent residents. *Calculation*: (reporting ethnicity in 'A', 'B', 'N', 'H') divided by (reporting ethnicity in 'A', 'B', 'N', 'H', 'W')
- *Underrepresented minority*: Students self-reporting as African American, Hispanic/Latino, or American Indian/Native American, as a proportion of total US majors with known race/ethnicity. International students are excluded from the calculation; US means citizens or permanent residents. *Calculation*: (reporting ethnicity in 'B', 'N', 'H') divided by (reporting ethnicity in 'A', 'B', 'N', 'H', 'W')
- *Associated with this unit through a second major or secondary degree program only*. Counts students with primary-program major-1 in a different unit. *Calculation*: On the bio file, major position not primary major 1.

### Student credit hours (SCH)

- Courses are associated with the unit and level by the course subject and number of the **sponsor course**, not the department of the instructor. Courses taught through extended studies (continuing education) are not included.
- We also show *change in SCH when non-sponsor sections are associated with the unit and level by their own course subject and number* rather than by the sponsor-section subject and number. This can be a reduction or increase -- units that sponsor courses in other depts will see reductions here.
- Example: HIST4444/5444 – all are counted under HIST, undergraduate level. In the “change in SCH” measure, the SCH for undergraduate level will be reduced, and that for HIST graduate level will increase. The change in SCH is equal to the SCH generated from enrollment in HIST5444.
- Example: ENGL2222 is a sponsor course with non-sponsor combined courses WMST2222 and SPAN2222. All SCH are counted under ENGL. In the “change in SCH” measure, the SCH for ENGL will be reduced, and that for WMST and SPAN will be increased, both by the SCH generated from enrollment in WMST and SPAN, respectively.

**NRC**: National Research Council study of the research doctorate.

**SIS**: CU-Boulder’s student information system. **ISIS**, the new system, became effective for admission and enrollment for/in fall 2010 and later. Both are known generically as “student information system” or “student records.”

### Characteristics of faculty

- *International*: Not a US citizen or permanent resident. At present we are unable to read official records for this; the proxy we are reading is over-stating the number international by failing to recognize changes from international to permanent resident status for some individuals.
- *Minority and underrepresented minority* for faculty are defined the same way as for majors (see above).

## Appendix 3: Summarization of FRPA Activity Codes

Counts of activities are summarized in Section 3, Research, Scholarship, and Creative Work, using the groupings shown here. For FRPA (Faculty Report of Professional Activity) details, see <https://frpadb.colorado.edu/pls/frpa>.

### Refereed books/monographs

- 401 Refereed Books
- 403 Refereed Monographs
- 406 Revisions of Earlier Published Books

### Textbooks

- 402 Refereed Textbooks (including teacher/lab guides)
- 405 Refereed Textbooks Edited

### Edited books

- 404 Refereed Books Edited (excluding journals)

### Refereed articles/chapters

- 407 Refereed Journal Articles or Chapters (including Law Reviews)

### Conference presentations/papers

- 415 Papers Presented at Professional Conferences But Not Published
- 416 Presentations, Talks, Colloquia, Etc. (not listed under 415)

### Creative works

- 501 Musical Compositions/Recordings
- 502 Conducted Music Performances (including Opera Direction)
- 503 Directing or Producing Films, Videos, Dance Concerts, Plays, Operas
- 504 Curator of Museum or Art Exhibitions, Exhibitions in Libraries, etc.
- 505 Choreography/Design for Dance, Theatrical, Film or Video Productions
- 506 Theatrical, Musical, Dance, or Art Performance (including those at professional meetings)
- 507 Exhibitions in Galleries/Museums
- 508 Radio/Television/Film/Video Presentations, Scripts or Productions
- 509 Plays, Poems, or Fiction
- 520 Digital Art and Media Designs (including web design)
- 530 Compositions-Original Compositions Recorded (including music, choreography, etc.)
- 531 Performances of Original Composition/Choreography/Text
- 532 Performances of Original Composition/Choreography/Text - Recorded
- 533 Performances - Recorded
- 540 Position as Artistic Director (non-CU) (ex: Musical Director for opera company)
- 599 Other Creative Work (describe)