

**COLLEGE OF PHARMACY**  
**ANNUAL ACADEMIC REPORT - 2016-17**

**1. Goal: Provide a transformative educational experience for all learners**

The College completed implementation of the redesigned professional Doctor of Pharmacy (PharmD) curriculum. The curricular changes execute the faculty goals to increase student preparedness to work with patients with complex therapeutic concerns and enhance opportunities for students to identify and develop personal areas of expertise and increase their competitiveness for postgraduate opportunities.

- Key accomplishments for AY17 included the launch of the final element of the redesigned curriculum, the four-week Pre-Advanced Pharmacy Educational Experiences (APPE) Readiness Block, at the beginning of Spring term. The aim of the *Pre-APPE Readiness (PAR) Block* is to assure student confidence, competence, and readiness as they transition to their fourth (P4) year APPE clerkships and integrate into various collaborative healthcare settings and engage with diverse patient populations.
  - Outcomes for the PAR block are achieved through the implementation of three courses: *Applied Law & Ethics, Pre-APPE Readiness & Complex Case Analysis, and Drug Policy*. These serve as the cornerstone of assessment of student readiness to advance to the APPE clerkships. Through the PAR block, students will be poised to optimize their advanced experiential training and set on a path to career readiness through faculty, self, and peer evaluation
- The integration of the *Personal & Professional Development Plan* into the PAR Block served as a significant way to advance our students thoughts on their careers and career-pathways. The multi-step process, designed and led by the Office of Student Services, provides a developmental framework around the PAR Block.
- The College partnered with the Health Clinics of Linn and Benton Counties to offer new Introductory Pharmacy Educational Experiences (IPPE) rotations that focused on ambulatory care practice. The entire incoming third year (P3) class experienced this new rotation.
- The IPPE hospital rotation was restructured and moved to the P3 year and incoming P3 students were placed with their respective hospital sites including, Samaritan Health, Salem Health, OHSU, VA, Providence, Legacy Health, etc. The student-site matching and preparation process was refined to improve communication with the students and five hours was added to the introductory hospital pharmacy classroom content prior to the start of their rotations.

The College actively promotes transformative research and education experiences for PhD and PharmD students and maintains a commitment to advancing OSU's mission to increase undergraduate experiential opportunities. Examples include:

- Each Fall term, the Associate Dean for Research addresses incoming professional students at orientation and makes them aware of research opportunities with faculty, the option to attend research seminars, and availability of the PharmD/PhD dual-degree option.
- PharmD students may receive elective credits for attending the Department of Pharmaceutical Sciences research seminar series. Nearly 60 professional students are exposed to research presented by local, national and international leaders in a broad array of biomedical research topics. The aim is to increase the professional students' exposure to career options in clinical or basic

scientific research and academic pharmacy. Seminars are attended by all PhD students in the program and are delivered at both the Portland and Corvallis campuses.

- The endowed Rising Lecture and Graduate Research Retreat brings together the PhD students, postdoctoral scholars and postgraduate PharmD trainees and faculty at both campuses to present their on-going research. PharmD and undergraduate students working with faculty are invited to attend. Several travel awards and cash prizes for outstanding presentations are distributed to the students. The keynote speaker for 2017 was Dr. Hendrik Luesch, professor and chair of the Department of Medicinal Chemistry at the University of Florida.
- Although the College does not have an undergraduate major, last year our faculty mentored and supported 39 undergraduate students from biological, chemical and health sciences-related undergraduate majors in research laboratory experiences. Over 20% of these students were underrepresented minorities and eight were University Honors College students conducting thesis research. The majority were financially supported by sources that included faculty grants, URISC, URSA-Engage, the OSU STEM Leaders program, the College of Pharmacy summer undergraduate research program, the College of Science SURE program, NSF undergraduate funding, the USDA Multicultural Scholars program, and ER Jackman Internship award. Faculty in the department also participated in the *Ted R. Lilley Continuing Umbrella of Research Education (CURE)* internship program to sponsor high school students from underrepresented minorities in lab experiences. Dr. Jane Ishmael received the 2017 “Top Prof” award from the OSU Mortar Board Cap and Gown Senior Class Honor Society for her mentorship of an undergraduate biochemistry student.

The graduate programs in Pharmaceutical Sciences underwent the required 10-year self-study and external program review in May 2017, led by Dr. Kerry McPhail and the Graduate Studies Committee. We are waiting on the final report of the review committee but initial feedback from all reviewers was extremely positive. Faculty in Pharmaceutical Sciences also participate actively in the multidisciplinary Molecular and Cellular Biology (MCB) graduate program in which Pharmaceutical Sciences is one of six departments that have committed faculty to teach in the required core courses.

The OSU PharmD program remains highly competitive and attracts many top applicants in the region. We expect 92 new PharmD students to begin in the program in Fall 2017. A total of 489 applications were received for the incoming class of 2021, down from 649 the previous year and 734 the year prior. The decreasing numbers of applicants reflects a nationwide trend. Overall, the size of the OSU PharmD program remains stable. We are able to limit the class size and balance the number of graduates with the availability of employment and postgraduate residency positions and still continue to admit only well-qualified students that meet our exacting standards. We are working to improve recruiting and marketing strategies that highlight our reputation for quality and value, the success of our graduates, research opportunities, and the benefits of our affiliation with a top-tier academic health science center.

In order to compete more effectively and get high-achieving students in pre-pharmacy to select the OSU program, while establishing contacts with a more diverse applicant pool, we established the Early Assurance Program (EAP). The program has now expanded to include students enrolled in the OSU Degree Partnership Program at all Oregon community colleges and Portland State University. This allows students to prepare for pharmacy school as economically as possible and increases diversity in our entering class. To ensure EAP students progress on time through prerequisites, an advisor meets with each student in the cohort individually every term.

The excellent clinical training and faculty mentoring our students receive have made them highly competitive for postgraduate residencies. The American Society of Health-system Pharmacists recently surveyed PharmD graduates from 2015 and 2016 who obtained postgraduate residencies. OSU ranked in

the top 10% of all colleges of pharmacy with 32% of our graduating class applying for residencies and OSU students that applied for residency had an 87% match rate, the 3rd highest in the country.

The College collaborated with the Portland VA Medical Center and the OSU College of Business to offer a two-year postgraduate pharmacy residency program that complements training in clinical pharmacy and health systems administration with leadership and management skills obtained through an MBA. The first resident completed the program in 2017 and was hired directly into a high-level management position. Given the proven success and significant interest in the program, we extended the partnership to Providence Health this year and anticipate additional expansion in order to ensure an OSU connection in the development of the next generation of pharmacy leaders in the region.

Investments made over the past several years to expand and improve our continuing education (CE) programs offered for alumni and practicing pharmacists are paying dividends. OSU faculty developed the first online certification program to train pharmacists in prescribing hormonal birth control when Oregon approved this expanded scope of practice. Because Oregon was the first state in the US to implement this advanced practice, we have been in the fortunate position to market the OSU program to other states that are adopting similar pharmacist prescribing legislation. To date, over 5,750 pharmacists in Oregon and other states have registered for the course since it was first offered in January 2016. Other online CE courses launched this year include:

- *Opioid Use Guidelines and Oregon's Prescription Drug Monitoring System* – toolbox and educational modules were funded by a federal grant to Prof. Dan Hartung)
- *Pharmacist Law and Pharmacy Technician Law*

## **2. Demonstrating leadership in research, scholarship and creativity while enhancing preeminence in the three signature areas of distinction**

The College's attention to recruiting, developing and retaining top faculty in the pharmaceutical and clinical sciences remains a highest priority for our continued success. According to the American Association of Colleges of Pharmacy, our faculty generated total external support of \$4.6M in FY16 (the latest national data available), ranking OSU in the top quartile of US pharmacy schools. In FY17, the number of grant proposals submitted by faculty members was 68, the second most ever, with 28 faculty submitting at least one proposal. A total of 18 new awards were received.

Faculty are active in communicating their scholarship and research finding through publications and presentations. In 2016, faculty members published 72 peer-reviewed articles, the second highest number ever. The majority of the publications arise from collaborations with other investigators both within and external to OSU and continues the trend of leading and engaging in highly collaborative, transdisciplinary research.

The close relationship with OHSU, Oregon's only academic health sciences center, is an important factor in faculty research success. In FY17, Pharmacy faculty list 40 active research collaborations with 27 OHSU departments, schools, centers and institutes. These research alliances include faculty at both our Corvallis and Portland campuses. The significance of our relationship is underscored by the fact that joint OSU-OHSU research grants now represent approximately 30% of the Colleges total active external awards. The inherent collaborative nature of our faculty and the opportunities for shared resources and joint appointments in clinical and basic science departments at OHSU have been crucial to the growth in research and scholarship and faculty development. As one recent example, Dr. Olena Taratula, a research assistant professor, was awarded a prestigious NIH KL2 mentored career development award administered through the Oregon Center for Translational Research Institute at OHSU.

Faculty commitment to innovation and attention to the potential commercialization of their research

remained high in FY17. Six disclosures and nine patents were filed last year by faculty in Pharmaceutical Sciences and one patent was granted. Since 2014, six technologies developed by our faculty have progressed to licensing agreements. In 2017, three faculty received grants to advance the commercialization of technology developed in their laboratories and three new start-up companies were launched that capitalize on this research.

The Pharmaceutical Sciences graduate students hosted a seminar by Dr. Robert Tepper. Tepper is former president of Millennium Pharmaceuticals and co-founder of Third Rock Ventures in Boston. His interests focus on the formation, development and scientific strategy of new companies, as well as identifying and evaluating new investments. The seminar was well-attended by a broad segment of the OSU research and commercialization community.

The College of Pharmacy has been instrumental in facilitating and leading the collaboration between OSU and the OHSU Knight Cancer Institute focused on cancer prevention, early detection and control research. This interinstitutional collaboration, termed the *Horizon Initiative*, was launched with an initial \$600,000 raised equally by the two universities. At OSU, funding was provided by seven colleges and institutes and the Research Office. In 2017, an additional \$100,000 was infused into the initiative by the College of Engineering and the OHSU Knight center for Cancer Early Detection and Advanced Research (CEDAR) to support new pilot awards looking at the interface of engineering and nanomedicine. To date the initiative has funded 11 pilot projects (\$50K each) and 11 team building projects (\$10K each) involving 52 investigators at the two institutions, including several from Pharmacy. Dr. Arup Indra, Associate Professor of Pharmaceutical Sciences has served as a co-director of the initiative.

In FY17, the College administration significantly furthered its support of our research mission by reinvesting \$500,000 in bridge and seed funding and research infrastructure. Previous such funding to enhance faculty and student research competitiveness has paid substantial dividends and the reinvestment of the returns on these investments should further leverage earlier investments. The College also continued its ongoing commitment to fund improvements and provide ongoing support for shared University research core facilities on campus that are invaluable for faculty success.

College faculty were active in the recruitment Dr. Richard van Breemen to OSU to serve as Director of the Linus Pauling Institute (LPI). Van Breemen is Professor of Medicinal Chemistry in the College of Pharmacy at the University of Illinois, Chicago. His faculty appointment at OSU will be in the College of Pharmacy. Fred Stevens, Professor of Pharmaceutical Sciences and a principal investigator in the LPI, will continue to serve as interim director of the Institute until Van Breemen arrives in January 2018.

The College has continued to invest in graduate assistantships and now provides competitive stipends and full tuition remission for all full-time PhD students. The PhD program in Pharmaceutical Sciences has grown from 23 students in Summer 2015 to 34 students expected in Fall 2017. In addition, faculty serve as major advisors for three PhD students from the interdisciplinary Molecular and Cellular Biology program, one from Chemistry, one from Statistics and one enrolled in the OHSU Epidemiology program. There are now three students dual enrolled in our PharmD/PhD program. This growth is reflective of the increased capacity of junior faculty to mentor students and the continued significant financial support from the College.

The College led the effort for OSU to acquire the laboratory operations of the *Oregon Translational Research and Drug Development Institute* (OTRADI) and retain key personnel. OTRADI was formed as a state-supported signature research center to promote and support commercialization of biomedical discoveries. As the institute's direction evolved to become a business accelerator, the College and OSU recognized the value of bringing the automated sample handling systems, high-content imaging equipment, high-throughput screening technology and large chemical libraries to Corvallis where it

could serve as a core resource for the entire campus. Renamed the *High-throughput Screening Services Laboratory*, this is an important resource for academic investigators and biotech companies in the region and now operates out of the OSU Pharmacy Building.

### **3. Strengthen impact and reach throughout Oregon and beyond**

The College's unique two-campus program creates abundant opportunities for our faculty members and students to engage in high impact research and outreach activities that affect patients and communities throughout Oregon and beyond. Half of the faculty are based in Portland; the majority have joint appointments with OHSU Schools and Departments and most have productive collaborative research programs or impactful clinical appointments at OHSU or other health systems and clinics in the metro area. Together with the 180 PharmD students in Portland, this makes Pharmacy the most visible representative of OSU in Oregon's major population center.

The College engages with a wide variety of Oregon communities, including many that are underserved or disadvantaged, through extensive experiential education programs, preceptor training and PharmD student outreach activities. Every student in the PharmD program completes over 2,200 hours of mandatory experiential clerkships at practice sites in Oregon and surrounding areas. These student pharmacists are highly visible external representatives of the College and OSU.

PharmD students are also extremely involved in co-curricular activities that are overseen and supported by faculty and affiliate faculty preceptors and provide a variety of health-related services to citizens in the state. In AY17, PharmD students participated in nearly 50 outreach events, including:

- Health fairs and immunization clinics, in collaboration with industry partners, that provided immunizations to more than 1,000 Oregonians.
- Assisting the Corvallis Police Department with Drug Take Back Day by collecting 512 pounds of medications.
- Providing patient care services to 375 patients for cardiovascular health and nearly 1000 patients for diabetes health while delivering information to more than 1,000 other community members.
- Serving as key participants in the mass immunization of over 3,000 OSU undergraduate students in response to a meningococcal B outbreak.
- Over 60 students met one-on-one with Oregon legislators during OSU Legislative Day in Salem where they also conducted health screening clinics.

The implementation of the PAR Block in the P3 year created valuable new linkages within OHSU and the larger pharmacy community that were necessary to implement the small group components of the PAR Block and evaluate student performance. Over 25 external facilitators assisted with *Law & Ethics* Discussion sections, *Complex Case* facilitations and *Case* evaluations. Of these, 13 were affiliated with the OHSU Center for Ethics. Feedback from these contributors provided valuable input regarding our students and ways to further refine the PAR Block.

The College hosted a group of 20 pharmacists from the Japanese Pharmacist Association Education Program for a 3-day introduction to pharmacy education and practice in the US. The group visited College facilities in Portland and Corvallis, attended lectures on contemporary topics such as pharmacogenomics, and toured various hospital, retail and long-term care pharmacy operations.

As mentioned above, more state legislatures are expanding pharmacists' scope of practice to include prescribing hormonal birth control. Our early leadership in the area and development of a highly-

regarded certification program has resulted in opportunities to partner with other states to tailor the program for their specific needs. The first formal collaboration launched with the University of Colorado.

In AY16, students in the various health profession programs at the OHSU campus began developing a student-run clinic called the Bridges Collaborative Care Clinic that would work with underserved populations in Portland. The College provided faculty support and guidance to the student leadership committee during the initial development stage. In AY17, student leaders secured a clinic location in Southeast Portland and the necessary assets to open and begin seeing patients. In the coming year, the goal is to use the clinic to create an authentic and purposeful experiential program that could be embedded in the OHSU interprofessional education curriculum.

Members of the College worked with the Oregon Public Health department on an Emergency Preparedness Task Force to expand their response strategy to include pharmacists and pharmacies. The first step was to establish a network of 300 pharmacies throughout Oregon. In the second phase of the project, a leadership structure was formed that links public health officials, the pharmacy regulatory and professional societies and the College, refined operational guidelines to follow during a public health emergency, and developed five online continuing education modules to deliver content to the volunteer pharmacists. The final phase entails developing a marketing strategy to increase awareness of the newly convened OSPA Pharmacy Emergency Preparedness Committee.

The College continues our involvement with the other healthcare programs at OHSU to develop a state-wide Interprofessional Education (IPE) Rural Campus. The campus creates a network of sites in rural locations for teams of students to develop collaborative interprofessional team-based practice skills and experience. Three rural sites are now functioning and P4 PharmD students are included at each site. These IPE student groups work with preceptors to identify projects aimed at improving the health and well-being of the rural communities.

The College has partnered with the Health Centers of Linn and Benton County to provide clinical services for underserved patients residing in the counties and to develop an on-site pharmacy for their Corvallis clinic. The collaboration helps support faculty members based at the Corvallis campus with key clinical practices that impact patients in rural sites with poor access to healthcare. The on-site pharmacy benefits the clinic's patients by providing valuable medication management consultation while the College benefits from access to exceptional ambulatory practice and research sites for faculty and students. The success of the collaboration prompted the Health Center to expand their support to finance a postgraduate pharmacy resident who is be mentored by an OSU faculty member.

We replicated the residency partnership developed with the Linn and Benton County Health Center at two other clinics; the Salud Clinic in Woodburn and the Richmond Clinic in SE Portland. Both serve residents in the area regardless of their ability to pay, insurance, income, language, or background.

The College has a very active group of faculty that participate regionally, nationally and internationally as publication, grant, and promotion dossier reviewers, and journal associate editors, including five faculty who serve on NIH study sections.

The College continues to further advance our international exposure and support exceptional opportunities for students and faculty.

- Numerous faculty maintain active research collaborations with scientists in South Africa, Brazil, Panama, England, the Netherlands, Finland, Japan, Indonesia, India, Russia, China and Saudi Arabia.
- Dr. Fred Stevens provides annual lectures to students in Belgium and the Netherlands.
- Dr. Taifo Mahmud was recognized as a "World Class Professor" at a symposium funded by the Indonesian Ministry of Research, Technology, and Higher Education.

- The Dean of the College and the Chair of the Department of Pharmacy Practice traveled with a leadership group from OHSU to Southeast Asia to help expand the OHSU Global campus and establish new learning and exchange opportunities for Pharmacy faculty, PharmD and PhD students.
  - In AY18, the first PharmD students to participate in the program will carry out rotations in Thailand and Myanmar.

Faculty in the College occupy high-visibility leadership roles in several state and national professional organizations including: the Society of Healthcare Epidemiology of America, the American Pharmacists Association, the American Society of Health Systems Pharmacists, the American College of Clinical Pharmacy, the American Society of Pharmacognosy, the Oregon State Pharmacists Association, the Society of Infectious Disease Pharmacists, the Phytochemical Society of North America, the Oregon Board of Pharmacy and the Governor’s task force on Researching the Medical and Public Health Properties of Cannabis.

The College maintained its steadfast commitment to serving rural populations in the region through our student clerkships and faculty involvement.

- In AY17 the College successfully developed its first out-of-state advanced experiential hub in Eureka, CA, an area with a healthcare provider shortage. The key to this development is a collaboration with St. Joseph Health (a Providence Health Partner). St. Joseph will coordinate and support P4 students interested in completing 4-8 rotations (24-48 weeks) and will provide housing during the clerkships.
- Our collaboration with the Benton and Linn County Health Clinics supports the partial salaries of two faculty members that have their service sites and clinics in Lebanon and Monroe, bringing the value of clinical pharmacy services to these nearby rural communities.
- The OHSU Rural Campus initiative opened the third location in LaGrande last year. PharmD students in their P4 year can join other healthcare profession students on teams at this location in addition to the existing Rural Campus sites in Klamath Falls and Coos Bay.

**4. In addition to these goals the Strategic Plan also establishes a commitment to three other essential features of OSU: Enhancing Diversity, Stewardship of Resources and Technology as a Strategic Asset.**

Students in the PharmD program engage every year in numerous outreach projects that provide health screening services to diverse and underserved communities throughout Oregon. College support of these events included supplies and volunteers at health fairs at the Chinese New Year celebration in Portland, Spring Break health fairs at several rural locations in the state, the Lebanon Latino Health Fair, the Campeones de Salud soccer tournament and health/resource fair and the OHSU Healthcare Equality Week serving the homeless and uninsured.

The College sent a representative to attend the Society for Advancement of Chicanos and Native Americans in Science (SACNAS) meeting to staff a recruiting booth and distribute information on both the OSU PhD and PharmD programs and answer questions about pharmacy and biomedical research as career choices.

Through our Diversity Committee, the College continued to provide financial support of *OnTrack OHSU!* and make pharmacy student volunteers available. This outreach program provides underrepresented students in grades 6-12 the chance to explore the sciences and health professions.

The College of Pharmacy partnered with the OSU Center for Genome Research and Bioinformatics (CGRB), College of Agricultural Sciences and College of Science in the Bioinformatics and Genomics (BIG)

Initiative to recruit new faculty to support interdisciplinary, computational biosciences research and education across OSU. We were successful last year in attracting Dr. Maude David, a computer scientist and biostatistician currently at Stanford, into a joint position with the Department of Microbiology. She will join us in January 2018.

The College partnered with OHSU to develop an interdisciplinary cultural awareness Continuing Education program that involves nursing, dentistry, medicine, nutrition, public health, and pharmacy. The program will provide valuable and timely education in cultural awareness topics that impact healthcare providers in Oregon. Following initial live CE programs, the content will be developed for online delivery.

- The initial content areas are: *Transgender Health and Working Effectively with this Patient Population*; *Immigrant and Refugee Health and Patient Population*; and *Cannabis Issues in Healthcare and Patient Management*

The College constantly seeks ways to increase coordination and leverage of services available on both our OSU and OHSU campuses to support faculty development and student success. Examples include:

- During the gathering of the P4 class each spring, just prior to graduation, the students receive a presentation from the OHSU Student Debt Counseling Program and are able to meet with a certified financial planner familiar with the complexities of debt repayment options and debt management for recent graduates in the healthcare professions.

**5. Submit performance on *college-level metrics*. The data are summarized below and the reports from the Office of Institutional Research are attached.**

The College of Pharmacy's performance in the areas of student success, retention, and diversity continues to be excellent. The 4-year on-time graduation rate in the PharmD program is 90% and the success of recent graduates passing the national licensing exam the first time was 88% and continues to exceed the national average. Diversity in the PharmD program is the highest among academic programs at OSU with 49% of the student population identified as being from underrepresented groups. The College remains committed to further diversifying the student body to better represent all the varied communities in Oregon.

Admissions to the PhD program in Pharmaceutical Sciences and the total number of graduate students enrolled remains level as the faculty focused on increasing enrollment of US and underrepresented minorities. Of the seven graduate students expected to enter the program in the fall, two are US minorities. In AY17, five PhD degrees and one Master's degree were awarded to students with thesis advisors in the Department of Pharmaceutical Sciences.

Faculty members were awarded 29 new grants and contracts totaling over \$5.88M in FY17 – an increase of 52% compared to FY15 and an increase of 32% over FY16. When final numbers are available in February 2018, we expect total research expenditures to show a similar increase over FY16.

Private philanthropy for scholarships and research funding in FY16 combined to total over \$2M. Private foundation and industry sponsored research increased to a total of \$1.7M in FY17, an all-time high and a significant step in our ongoing effort to diversify our funding base.



Oregon State University  
**College of Pharmacy**  
 Annual Academic Program Review 2016-17

**PART 1**

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	% Change '15 - '17
<b>Faculty FTE</b>																
Professional	26.0	26.5	28.8	29.2	31.2	35.3	36.0	31.8	31.2	38.3	38.5	39.2	40.4	39	38.1	-5.7%
Non-Professional	29.2	24.6	28.3	25.2	23.7	20.6	24.2	27.8	28.4	31.4	35.9	36.6	38.7	38.4	43.6	12.7%
<b>Total Faculty FTE</b>	<b>55.2</b>	<b>51.1</b>	<b>57.1</b>	<b>54.4</b>	<b>54.9</b>	<b>55.9</b>	<b>60.2</b>	<b>59.6</b>	<b>59.6</b>	<b>69.7</b>	<b>74.4</b>	<b>75.8</b>	<b>79.1</b>	<b>77.4</b>	<b>81.7</b>	<b>3.3%</b>
E&G Tenured/Tenure Track	14.4	14.1	14.6	15.4	16.8	18.3	18.6	16.7	16.7	19.9	20.2	23.5	24.3	22.2	20.9	-14.0%
<b>Faculty Headcount</b>																
Professional	28	29	31	31	33	36	38	33	34	42	42	43	44	41	41	-6.8%
Non-Professional	36	33	32	27	27	25	27	34	32	36	46	46	46	43	47	2.2%
<b>Total Faculty Headcount</b>	<b>64</b>	<b>62</b>	<b>63</b>	<b>58</b>	<b>60</b>	<b>61</b>	<b>65</b>	<b>67</b>	<b>66</b>	<b>78</b>	<b>88</b>	<b>89</b>	<b>90</b>	<b>84</b>	<b>88</b>	<b>-2.2%</b>
E&G Tenured/Tenure Track																
0% E&G Funded	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	-
1%-33% E&G Funded	1	0	0	0	0	0	0	1	1	1	2	0	1	0	0	-100.0%
34%-66% E&G Funded	2	3	1	2	1	2	1	3	1	3	3	1	0	1	3	-
67%-99% E&G Funded	3	2	4	4	4	5	3	5	6	4	2	2	3	7	7	133.3%
100% E&G Funded	11	11	11	11	13	13	16	11	12	16	17	22	22	16	14	-36.4%
<b>Total Tenured/Tenure Track</b>	<b>17</b>	<b>16</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>20</b>	<b>20</b>	<b>21</b>	<b>21</b>	<b>24</b>	<b>25</b>	<b>25</b>	<b>26</b>	<b>24</b>	<b>24</b>	<b>-7.7%</b>

<b>SCH (Academic Year)</b>																
Undergraduate	1292	1425	1429	1551	1545	1527	1492	1766	1511	1246	873	912	878	783	748	-14.8%
Lower Division	966	1080	1068	1124	1136	1094	1081	1120	970	806	832	850	830	746	711	-14.3%
Upper Division	326	345	361	427	409	433	411	646	541	440	41	62	48	37	37	-22.9%
Graduate	1084	1171	831	853	766	839	804	936	1001	1080	891	998	1155	1332	1288	11.5%
First Professional	12226	12987	13733	13964	13939	14188	15519	16177	16043	15866	16402	16445	16341	16812	16145	-1.2%
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
<b>TOTAL SCH</b>	<b>14602</b>	<b>15583</b>	<b>15993</b>	<b>16368</b>	<b>16250</b>	<b>16554</b>	<b>17815</b>	<b>18879</b>	<b>18555</b>	<b>18192</b>	<b>18166</b>	<b>18355</b>	<b>18374</b>	<b>18927</b>	<b>18181</b>	<b>-1.1%</b>

<b>Duplicated Major Count</b>																
Undergraduate	243	291	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Graduate	29	33	21	21	23	26	22	28	25	28	26	28	28	29	29	3.6%
First Professional	292	312	317	331	337	339	356	363	367	358	365	362	347	356	342	-1.4%
<b>TOTAL Major Count</b>	<b>564</b>	<b>636</b>	<b>338</b>	<b>352</b>	<b>360</b>	<b>365</b>	<b>378</b>	<b>391</b>	<b>392</b>	<b>386</b>	<b>391</b>	<b>390</b>	<b>375</b>	<b>385</b>	<b>371</b>	<b>-1.1%</b>

\* Bachelor degrees in Pharmacy were eliminated in 2002. A new professional doctorate-level PharmD began in 2002 to replace the Bachelor' degree and the post-baccalaureate Pharmacy program, in keeping with the mandate of the American Council of Pharmaceutical Education (ACPE) that all degree programs preparing pharmacists for licensure be at the professional doctorate level

Oregon State University  
**College of Pharmacy**  
 STRATEGIC PLANNING METRICS 2016-17

**PART 1**

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
<b>Goal 1. Provide a Transformative Educational Experience for all Learners.</b>															
1.3 First Year Retention Rate (College/University)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1.4 6-Year Graduation Rate (College/University)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1.5 Junior Transfer 4-Year Graduation Rate (College/University)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1.6 % US Minority Students	37.0%	34.4%	32.3%	31.8%	34.0%	36.7%	36.0%	36.6%	36.0%	35.5%	36.8%	44.6%	44.8%	45.6%	48.9%
1.7 % International Students	5.0%	4.0%	5.0%	4.0%	4.0%	5.0%	4.0%	7.0%	7.0%	8.0%	8.0%	7.0%	7.0%	6.3%	5.4%
1.8 % High Achieving Oregon High School Graduates	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>Goal 3. Strengthen Oregon State's Impact and Reach throughout the state and beyond.</b>															
3.2 Invention Disclosures	1	4	4	3	11	7	2	5	4	5	4	4	10	8	6
<b>College Specific Metrics</b>															
2.x.1 NAPLEX Board Exam Pass Rate	n/a	99	100	100	99	100	95	94	94	99	98	94	98	88	
2.x.2 PharmD 4-Year Graduation Rate/ Total Graduation Rate	81/ 91	85/ 97	79/ 94	84/ 89	90/ 96	80/93	87/95	86/98	94/94	92/96	96/ 96	95/96	91/98	95/98	90/97
2.x.3 First Professional Students Admitted/ Applicants	79/ 447	83/ 810	83/ 896	84/ 975	88/ 1071	90/1073	89/700	92/783	93/790	89/812	91/719	82/ 515	90/734	85/649	83/489
2.x.4 Graduate Students Admitted/ Applicants <sup>1</sup>	6/ 55	8/ 77	3/ 49	5/ 48	9/ 58	8/53	8/39	7/50	5/72	6/104	5/56	8/ 67	6/76	6/76	5/61

1. The 2008-09 applicants are underreported due to incomplete data.

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PART 2

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	% Change '15 - '17
<b>Resources (Fiscal Year)</b>																
E&G - Ending Budget (\$)	5,569,631	6,850,057	7,044,812	7,823,757	6,309,010	6,749,724	6,875,431	7,989,592	10,842,658	12,871,237	13,418,030	14,397,092	15,212,867	15,875,674	17,525,446	15.2%
<b>Total R&amp;D Expenditures (\$)</b>	<b>2,404,828</b>					<b>2,200,640</b>	<b>2,977,216</b>	<b>2,759,035</b>	<b>2,753,293</b>	<b>2,971,863</b>	<b>2,336,832</b>	<b>1,003,951</b>	<b>2,076,888</b>	<b>3,335,105</b>	<b>FEB 2018</b>	-
Awards from Grants and Contracts* (#)	32	18	26	23	25	30	23	29	30	17	14	23	19	22	29	52.6%
Awards from Grants and Contracts (\$)	2,450,861	1,650,761	2,316,698	1,468,457	2,149,978	3,359,009	5,123,033	2,715,099	5,721,419	1,670,138	900,941	3,899,708	2,610,736	3,370,143	5,881,893	125.3%
<b>Private Giving (\$)</b>							<b>799,212</b>	<b>526,294</b>	<b>1,323,257</b>	<b>553,560</b>	<b>536,710</b>	<b>1,596,074</b>	<b>1,154,087</b>	<b>877,352</b>	<b>2,076,933</b>	<b>80.0%</b>

Strategic Planning Metrics 2016-17

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
<b>Goal 2. Demonstrate Leadership in Research, Scholarship and Creativity while enhancing preeminence in the three signature areas of distinction</b>															
2.1 Total R&D Expenditures	see APR data above														
<b>Goal 3. Strengthen Oregon State's Impact and Reach throughout the state and beyond.</b>															
3.5 Annual Private Giving	see APR data above														

\* From 2000-01 to 2007-08, the number of grant/contract awards is based on the accounting transactions from the College's award index, rather than the actual number of awards received by the college.

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**PART 3**

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	% Change '15 - '17
<b>Degrees (academic year)</b>																
Bachelor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Master	2	0	2	1	5	2	0	2	3	1	3	1	0	3	1	-
Doctorate	8	7	5	2	2	1	5	6	0	2	7	4	4	3	5	25.0%
First Professional	55	70	64	80	78	74	81	88	93	86	85	93	83	92	76	-8.4%
<b>Total Degrees</b>	<b>65</b>	<b>77</b>	<b>71</b>	<b>83</b>	<b>85</b>	<b>77</b>	<b>86</b>	<b>96</b>	<b>96</b>	<b>89</b>	<b>95</b>	<b>98</b>	<b>87</b>	<b>98</b>	<b>82</b>	<b>-5.7%</b>

Strategic Planning Metrics 2016-17

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
<b>Goal 1. Provide a Transformative Educational Experience for all Learners.</b>															
1.1 Degrees Awarded-Total	see APR data above														
<b>Goal 2. Demonstrate Leadership in Research, Scholarship and Creativity while enhancing preeminence in the three signature areas of distinction</b>															
2.3 PhD's Awarded	see APR data above														