College of Science

Choosing to pursue your degree is a choice that has many long reaching implications. The value of a Bachelor’s degree can be measured not only in terms of future earning potential, but also quality of life. Seeking a Bachelor’s degree from Oregon State is not only a tremendous opportunity, but a fantastic value and an investment in yourself! This publication will provide information on the return on your investment, employment and financial aid statistics about the College of Science, as well as some real answers to many of the questions that have become the focus of the debate on the true value of earning your degree.

Education Pays

According to The College Board Advocacy and Policy Center report, Higher Education Pays 2013, “Anecdotes about individual students whose paths through postsecondary education have not worked out well do not contradict the fact that on average and for most students, college is an excellent financial investment. Benson, Esteva, and Levy (2013) find that even after accounting for actual time to degree, the probability of enrolling in college but not completing a degree, and the higher taxes paid by those with higher levels of education, the average rate of return to college remains high. They explain that this reality is not incompatible with the perception that more former students are facing difficulties repaying their loans. This issue has gained attention because of a combination of rising tuition and debt levels with increasing variation in the earnings of college graduates.” Here are some facts to consider from their report:

- Median earnings of bachelor’s degree recipients working full-time year-round in 2017 were $60,996 which is $23,972 more than that of high school graduates.
- Lifetime earnings for the typical bachelor’s degree recipient is about 60% greater than that of a typical high school graduate over the same period.
- Employment rates are higher for college graduates.
- College level graduates are more likely than others to receive health insurance and pension benefits from their employers and to be satisfied with their jobs.
- Adults with higher levels of education are more engaged citizens than others.
- College education leads to healthier lifestyles, reducing health care costs for individuals and society.
- College educated parents engage in more educational activities with their children, who are then better prepared for school than other children.

Investing in your education is an investment in yourself, and has a great impact on your future!

College of Science Student Statistics

**Major & Earnings Data** from the National Association of Colleges and Employers (NACE) Salary Survey for Winter 2018 indicates that the average salary for Science Majors is $61,867.

**Average Student Loan Debt** for Science Majors is $23,514 whereas the median is $23,951. This amount of loan debt will result in an average monthly repayment of $248. Based on the major & earning data above, this debt will represent 4.8% of your anticipated salary dedicated to loan repayment.

**Gift” Aid vs “Self-Help” Aid** refers to the types of aid you can receive. “Gift” aid is financial aid that does not have to be repaid and can consist of federal, state, and institutional funds in the form of grants (such as the Federal Pell Grant) or scholarships. Some gift aid is based on financial need as determined by the FAFSA and some is based on Academic Merit. “Self-Help” aid refers to financial aid that typically has to be repaid. This can include Federal Direct Loans, Parent PLUS loans, and Private/Alternative loans.

**College of Science annual aid averages** are broken down into the following categories and represents the “average” award of each aid type. Scholarships were awarded to 1,562 Science majors, with an average scholarship award of $5,917. Grants were awarded to 1,043 Science majors, with an average grant of $5,917. The average loans awarded for Science are $9,638, with 1,438 students receiving funds.

This information is important to know when budgeting for your time in college. The more opportunities you have for grants and scholarship opportunities the less loan debt you will have to take on. The College of Science awards scholarships to currently enrolled students each year. Scholarships are awarded each spring and are in effect for the next academic year. Awards are given based on available funds and amounts vary from year to year. When it comes to scholarships, remember the more active you are in your searches the more likely you are to have greater scholarship opportunities! Visit the Financial Aid and Scholarships web page for more information!
5 myths about paying for college

1. College is just too expensive. Despite what you may have heard, a college education is more affordable than most people think, especially considering that college graduates can earn an average of $650,000 more over the span of their careers than high school graduates. The national average tuition and fees at a 4-year public institution was $9,970 in 2017. Oregon State University was $10,366. College may seem expensive, but the truth is that most students pay less than their college's sticker price, or published price, thanks to financial aid. So instead of looking at the published price, concentrate on your net price, the real price you’ll pay for college.

2. My family’s income is too high to qualify for aid. Financial aid is intended to make a college education available for students of families in many financial situations. Aid is awarded to many families with incomes they thought would disqualify them. About two-thirds of full-time undergraduate college students receive some type of financial aid in the form of grants, scholarships, loans or work-study. Approximately 38 percent of financial aid dollars awarded to undergraduates are in the form of federal loans, and the rest are grants, scholarships, federal work-study, and tax credits and deductions.

3. Student loan debt is out of control. Don’t believe the hype surrounding student loan debt. While you should always borrow responsibly, and stories of a $100,000+ loan debt after college may discourage you, the actual number of students with that level of debt is actually quite low. Did you know that the maximum federal loan debt a Dependent Undergraduate can take on is only $31,000? Over 40 percent of borrowers have balances less than $10,000, and only 3.7 percent owe more than $100,000. The pie chart shows just how much loan debt students are actually graduating with.

4. Education is not a sound investment. The Brookings Institute looked at the best place to invest $102,000 and concluded that an education is the most sound investment you can make. On average, the benefits of a four-year college degree are equivalent to an investment that returns 15.2 percent a year! Although the Associate’s Degree appears to stand out over a Bachelor’s Degree, this can be attributed to the lower costs and time it takes to complete.

5. You shouldn’t borrow money for college. If you are able to complete your degree without needing to access student loans by all means do so. However should you need them, student loans are intended to help you finance your education. Establishing a budget for yourself will be key to helping you minimize your need to borrow. Offsetting loans with income from part-time employment can also help you keep expenses in check. In fact, studies have shown that students who work less than 20 hours a week while in school develop better time management skills and spend more time studying, resulting in higher GPA’s. In school work can be the key to your timely and successful degree completion!


Taken from Household Debt and Credit: Student Debt, Federal Reserve Bank of New York, February 28, 2013, Donghoon Lee.