

# Chapman University Undergraduate to Graduate Degree Programs

## **4 + 1 BS Biochemistry and Molecular Biology/MS Computational Sciences**

Students completing an undergraduate biochemistry degree are eligible to complete an additional year of study to obtain a MS computational sciences degree. Computational science is an interdisciplinary field in which computers and mathematics are used to model and simulate biological and physical processes found in the natural world. This graduate degree consists of 3 tracks, biology and biotechnology, applied mathematics, and earth system science. For specific criteria, refer to the Schmid College of Science and Technology website.

## **4 + 1 Integrated Science/MS Food Science**

Students completing undergraduate degrees in **biochemistry and molecular biology**, biological sciences, chemistry, and health sciences are eligible to complete an additional year of study to obtain the MS food science degree. Food science is a multidisciplinary program that applies scientific concepts to the understanding of the properties of food. Food scientists apply scientific principles to the processing, packaging, preservation, storage, evaluation, and utilization of food. For specific eligibility criteria for this program, refer to the Schmid College of Science and Technology website.

## **4 + 2 BS Biochemistry/MS Bioscience Keck Graduate Institute of Applied Life Sciences**

Schmid College of Science Biochemistry majors have the unique opportunity to transition from the BS Biochemistry degree to a two year MS Biosciences degree at the KECK Graduate Institute (KGI). This graduate degree emphasizes the translation of basic science and engineering into product development and marketing and prepares professionals for leadership positions in bioscience industries.

In collaboration with the KGI, we have developed a pathway to transition you from Schmid College of Science to KGI. This pathway includes fewer application hurdles (no standardized tests, no application fee, only one letter of recommendation, early fellowship consideration) and early admission confirmation by October 15 of your senior year.

## **BS Integrated Science/MS Pharmaceutical Sciences**

Chapman University School of Pharmacy (CUSP) offers a year-round thesis and non-thesis Master of Science in the Pharmaceutical Sciences (MSPS) for students interested in a broad range of scientific disciplines critical to the discovery and development of new drugs and therapies. Graduates of the program can pursue a variety of career opportunities in pharmaceutical and biotechnology companies. For specific criteria, refer to the Chapman University School of Pharmacy website.

## **Chapman School of Pharmacy**

The accelerated Doctor of Pharmacy program will involve three full calendar years of professional didactic and experiential education. Chapman's new "accelerated" Doctor of Pharmacy program is accredited by the Western Association of Schools and Colleges (WASC), and has obtained accreditation from the Accreditation Council for Pharmaceutical Education (ACPE).

#### **4 + 1 BS in Biochemistry and Molecular Biology/MS in Pharmaceutical Sciences**

The 4 + 1 BS in Biochemistry and Molecular Biology/MS in Pharmaceutical Sciences enables undergraduate students to begin taking graduate courses in their senior year and receive a Master of Science degree within one year of finishing their undergraduate degree. The BS degree is offered by the Schmid College of Science and Technology, and the MS degree is offered by the School of Pharmacy at the Rinker Health Science Campus in Irvine. The program is open to all undergraduate Biochemistry and Molecular Biology majors who meet the admissions requirements. Students in the program can get a head start on their careers through networking and internship opportunities provided by the School of Pharmacy. Graduates of the program can pursue a variety of career opportunities in the pharmaceutical and biotechnology industries. Chapman students can apply to the MS program in their junior or senior year. Admission to the program is conditional pending completion of the bachelor's degree. If accepted into the program, undergraduate students may take up to 12 graduate credits once they have completed 90 undergraduate credits. These 12 credits can be used to satisfy the undergraduate graduation requirements AND count toward the MS program. Students can begin their remaining graduate coursework during the summer after receiving their undergraduate degree.

#### **4 + 1 BS Mathematics; BS Chemistry; BS Environmental Science and Policy; or BS Physics and Computational Science/MS Hazards and Global and Environmental Change**

Students completing undergraduate science degrees are eligible to complete an additional year of study to obtain the MS hazards degree. This interdisciplinary degree provides the foundation for understanding the earth on local, regional, and global scales, emphasizing the dynamics of earth systems and their interactions. Students become adept at using remote sensing and other geo-technologies to detect changes related to hazards with hazards relevant to California. For specific eligibility criteria for this program, refer to the Schmid College of Science and Technology website.

#### **4 + 1 BS Mathematics, BS Computer Science, BS Chemistry, or BS Physics and Computational Science/MS Economic Systems Design**

Students completing undergraduate science degrees are eligible to complete an additional year of study to complete the MS Economic Science Systems. Students study the design, development, testing, and implementation of economic institutions and how they operate. The master's degree prepares students to undertake the scientific process of understanding and developing systems of exchange and incentive. For specific eligibility criteria for this program, refer to the Economic Science Institute website.

\*For this program listed above, graduate courses used to satisfy undergraduate degree requirements, may also satisfy up to 12 credits of graduate course work, and may be double-counted towards both bachelor's and master's degrees.

#### **Master of Medical Science Physician Assistant Studies Program**

Chapman University has applied for accreditation provisional from the Accreditation Review Commission on the Education for the Physician Assistant (ARC-PA). Pending accreditation provisional from ARC-PA.