PRINCETON UNIVERSITY

BINGLUN SHAO entered Princeton as a First-Year Student on 09/12/18.
Received BSE degree concentrating in the Department of Chemical and Biological Engineering on 05/24/22 with Highest Honors in Chemical and Biological Engineering. This transcript prepared on 11/07/22.

Fall Term 2018-2019 (First Year)			Grade	Courses
FRS	135	Playing the Shakuhachi	A	1.0
MAT	201	Multivariable Calculus	A-	1.0
PHY	103	General Physics I	A	1.0
WRI	179	Writing Seminar	A-	1.0

Spring Term 2018-2019 (First Year)			Grade	Courses
COS	126	Computer Science: An Interdisciplinary A	A	1.0
FRS	118	Life on Mars - Or Maybe Not	A	1.0
MAT	202	Linear Algebra with Applications	A	1.0
MUS	213	Instrumental Performance: Chamber Music	A	1.0
PHY	104	General Physics II	A	1.0

Summer Term 2019			Grade	Courses
PHI	305	Plato's Republic	A	1.0

Fall Term 2019-2020 (Sophomore)			Grade	Courses
CBE	245	Introduction to Chemical and Biochemical	A	1.0
CHM	337	Organic Chemistry: Bioengineering	A	1.0
MAE	305	Mathematics in Engineering I	A	1.0
MUS	105	Music Theory Through Performance & Comp	P	1.0
NES	240	Muslims and the Qur'an	A	1.0

Spring Term 2019-2020 (Sophomore)			Grade	Courses
CBE	246	Thermodynamics	A+	1.0
COS	226	Algorithms and Data Structures	P	1.0
COS	340	Reasoning about Computation	P	1.0
ORF	309	Probability and Stochastic Systems	A-	1.0
PHI	301	Aristotle and His Successors	AUD	1.0

The Covid-19 pandemic required all classes to transition to remote instruction for the second half of the spring 2020 semester. Grading patterns reflect this disruption, as some instructors moved to a Pass/D/Fail only basis for assessment, and students were permitted to elect the Pass/D/Fail option in all other undergraduate courses.

Fall Term 2020-2021 (Junior)			Grade	Courses
CBE	250	Separations in Chemical Engineering	A+	1.0
CBE	341	Mass, Momentum, and Energy Transport	A	1.0
CBE	351	Junior Independent Work	A	1.0
MOL	214	Intro to Cellular & Molecular Biology	A	1.0
QCB	455	Genomics & Computational Mol Bio	A+	1.0

The Covid-19 pandemic required all instruction to be conducted remotely during the fall 2020 semester. Students were permitted to elect the Pass/D/Fail option in all undergraduate courses.

Spring Term 2020-2021 (Junior)			Grade	Courses
CBE	346	Chemical and Biological Engineering Lab	A+	1.0
CBE	441	Chemical Reaction Engineering	A+	1.0
MOL	431	Regulatory Mechanisms in Development	A	1.0
ORF	363	Computing and Optimization	A+	1.0

Fall Term 2021-2022 (Senior)			Grade	Courses
CBE	442	Design, Synthesis, and Optimization	B+	1.0
EEB	325	Mathematical Modeling in Biology and Med	A-	1.0
RUS	101	Beginner's Russian I	A	1.0

Emily Shandley, Registrar

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BINGLUN SHAO ----Continuation of transcript

	Spring Term 2021-2022 (Senior)		Grade	Courses
CBE	454	Senior Thesis	A	2.0
MOL	405	The Biology of Reproduction	A+	1.0
MSE	504	Monte Carlo and Molecular Dynamics	A	1.0
SPI	354	Modern Genetics and Public Policy	P	1.0

REMARKS:
Summer Undergraduate Internship Milestone Credit - 2021 Summer
Granted 2 Units of Advanced Placement in Chemistry
Granted 1 Unit of Advanced Placement in English
Granted 2 Units of Advanced Placement in French
Granted 2 Units of Advanced Placement in Mathematics
******** Completed program of study in Chemical Engineering accredited by the Engineering Accreditation Commission of ABET.
2021-2022 ELECTED TO MEMBERSHIP IN THE PHI BETA KAPPA SOCIETY
2021-2022 ELECTED TO MEMBERSHIP IN THE SOCIETY OF SIGMA XI
Received the Applications of Computing Certificate on 05/24/22
2021-2022 Awarded THE RICHARD K. TONER THERMODYNAMICS PRIZE

End of transcript

Emily Shandley, Registrar

PRINCETON UNIVERSITY

GRADING SYMBOLS

In undergraduate courses (numbered below 500) and independent work

A+	Exceptional; significantly exceeds the highest expectations
A	Outstanding; meets the highest standards for the assignment or course
A-	Excellent; meets very high standards for the assignment or course
B+	Very good; meets high standards for the assignment or course
B	Good; meets most of the standards for the assignment or course
B-	More than adequate; shows some reasonable command of the material
C+	Acceptable; meets basic standards for the assignment or course
C	Acceptable; meets some of the basic standards for the assignment or course
C-	Acceptable, while falling short of meeting basic standards in several ways
D	Minimally acceptable; lowest passing grade
F	Failing; very poor performance
P	Grades of A+ through C- in courses taken on pass/D/fail basis (prior to 1988-89, earned grades of A+ through D were converted to P) Satisfactory
AUD	Completion of required work in a course taken on an audit basis
INC	Course not completed at end of term (late completion authorized)
T	Course successfully completed at another institution for Princeton credit
UNR	Course grades not reported by instructor
W	Student withdrew from the University after the term's ninth week of class

In graduate courses (numbered 500 and above)

With the exception of T and W, all of the foregoing grading symbols are used in graduate courses. The following symbols may also appear:

HP	High Pass (used in some graduate courses in the School of Architecture)
LP	Low Pass (used in some graduate courses in the School of Architecture)
N or *	No grade given in the course. Between 1948-49 and 1973-74, represented by N; from 1974-75, represented by *

GRADING POLICY 2004-2014

From fall term 2004-05 through spring term 2013-14, the faculty had a common grading expectation for every department and program: A's (A+, A, A-) were to account for less than 35 percent of the grades given in undergraduate courses and less than 55 percent of the grades given in junior and senior independent work. Each department or program determined how best to meet these expectations. In the fall term 2014-15, the faculty reaffirmed rigorous and transparent assessment measures and removed a numeric target for the percent of A grades.

COURSE OF STUDY

Undergraduate students at Princeton enroll in a four-year course of study as candidates for the degree of Bachelor of Arts (A.B.) or the degree of Bachelor of Science in Engineering (B.S.E.). Undergraduate course credit is awarded in the form of course units. Each undergraduate course is one course unit; one course unit may be considered the equivalent of 4.0 semester hours. The A.B. program consists of eight terms of fulltime study to satisfy the requirement of 31 courses (30 courses for students matriculating before 2001). Beginning in the junior year a candidate for the A.B. degree undertakes a program of departmental concentration including course work, independent study in the junior year, a two-term senior thesis, and a departmental examination at the end of the senior year. The B.S.E program consists of eight terms of full-time study to satisfy the requirement of 36 courses, which usually include one or two terms of independent work. B.S.E. students pursue departmental concentrations beginning in the sophomore year. Prior to fall term 1974-75, an undergraduate's departmental courses were indicated by a (D) preceding the course title. In addition to the departmental concentration, many students elect to pursue certificates in one or more programs, nearly all of which are interdisciplinary.

Graduate students pursue full-time study toward the Ph.D. degree in the arts and sciences, engineering, architecture, and public affairs; and final professional master's degrees in architecture, engineering, finance, Near Eastern studies, public affairs, and public policy. To qualify for the Ph.D., a candidate spends at least one academic year in residence, passes the general examination, presents an acceptable dissertation, and passes the final public oral examination. Additional requirements for the Ph.D. vary by program. Ph.D. candidates may earn a Master of Arts (M.A.) degree incidentally as part of the Ph.D. program and is awarded once a student successfully passes all parts of the general examination. Requirements for a final professional master's degree, in programs that offer that option, vary by program. Graduate students who are enrolled full time and in residence hold regular student status as they pursue work toward the degree. Students registered *in absentia* are also enrolled full time but are absent from campus in order to make use of materials, facilities, and expertise not available in residence. In their last years of enrollment, the majority of post-generals Ph.D. students take no courses, but pursue full-time research toward completion of the dissertation. Ph.D. students who come to the end of the defined program length without having completed all requirements for the degree may hold dissertation completion enrollment (DCE) status for up to two years and enrollment terminated/degree candidacy continues (ET/DCC) status thereafter. DCE students are enrolled students. ET/DCC students are not enrolled, but they are entitled to submit a dissertation.