

TULANE UNIVERSITY

ON THE RECOMMENDATION OF THE FACULTY OF THE

School of Science and Engineering

AND THE ADMINISTRATORS OF

NEWCOMB - TULANE COLLEGE

AND IN RECOGNITION OF THE LEGACIES OF H. SOPHIE NEWCOMB AND PAUL TULANE,
THE ADMINISTRATORS OF THE TULANE EDUCATIONAL FUND
HAVE THIS DAY CONFERRED UPON

Bowen Liu

THE DEGREE OF

Bachelor of Science

WITH ALL THE RIGHTS, HONORS AND PRIVILEGES APPERTAINING THERETO.

GIVEN AT NEW ORLEANS, IN THE STATE OF LOUISIANA

May sixteenth, Two thousand and twenty.



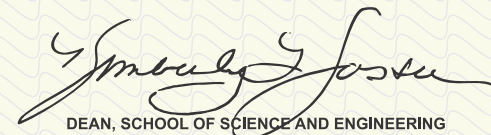
CHAIR, BOARD OF ADMINISTRATORS



DEAN, NEWCOMB-TULANE COLLEGE



PRESIDENT OF THE UNIVERSITY



DEAN, SCHOOL OF SCIENCE AND ENGINEERING

Credential Validation

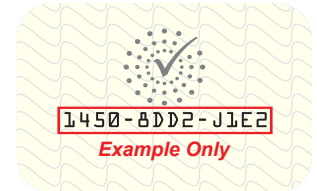
Visit the School's official website to receive immediate, irrefutable proof of the credential's authenticity. Validation includes complete degree information that is time and date stamped by the issuing authority.

**VALIDATE
NOW**



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The CeDiD is located on page one of this document.

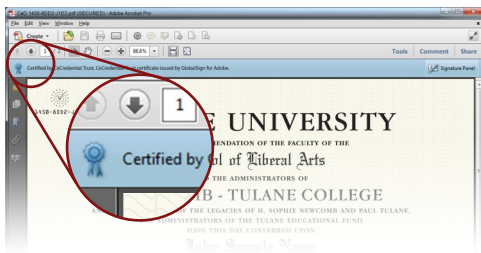


For more information, click [here](#).
CeCredential Trust

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Apostille

An Apostille may neither be required nor necessary. The CeDiploma has legal standing, is non-repudiating, and can be validated through the University's website to provide absolute confidence in the credential's authenticity. Questions should be directed to registrar@tulane.edu.

A Message from the Registrar

Your electronic diploma has been provided through the courtesy of the Office of the Registrar Team.



Official Academic Transcript from:
TULANE UNIVERSITY
OFFICE OF THE REGISTRAR
6823 ST. CHARLES AVENUE
110 GIBSON HALL
NEW ORLEANS, LA 70118



TELEPHONE: 504-865-5231

Official Academic Transcript of:
BOWEN LIU
Transcript Created: 15-May-2020

Document Type: THIRD-PARTY SECURE PDF

Intended Recipient:
BOWEN LIU
DIEJIAO NO.2 PRIMARY SCHOOL
GUANGDONG PROVINCE
FOSHAN, 528200
CHINA
E-Mail: bliu3@tulane.edu

Requested by:
BOWEN LIU
DIEJIAO NO.2 PRIMARY SCHOOL
GUANGDONG PROVINCE
FOSHAN, 528200
CHINA
E-Mail: bliu3@tulane.edu

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NAME: Liu, Bowen
STUDENT ID: 526007274
BIRTH DAY: April 20

Tulane University

Office of the Registrar
 New Orleans, La. 70118-5698
 (504) 865-5231

DATE ISSUED: 5/15/2020

NOT APPLIED TO CURRENT PROGRAM *
 INCLUDES INITIAL STATISTICS ++

COURSE NUMBER	COURSE TITLE	GRADE	HOURS (ATTEMPTED) EARNED	QUALITY POINTS	COURSE NUMBER	COURSE TITLE	GRADE	HOURS (ATTEMPTED) EARNED	QUALITY POINTS
UNDERGRADUATE ACADEMIC RECORD					2017 Fall				
2016 Fall					Transfer Credit Applied to 2017 Fall Minzu University Jun 2017 - Jul 2017 12.00 TRANSFER CREDIT TOTAL 12.00				
ADMITTED PROGRAM: Science & Engineering Bachelor of Science					LING-4110 Brain and Language W (0.00) MATH-3090 Linear Algebra A 4.00 16.00 PSYC-3210 Child Psychology B 3.00 9.00 PHIL-3740 Consciousness C 3.00 6.00 MATH-3050 Real Analysis I B+ 3.00 9.99				
MATH-1310	Consolidated Calculus	W	(4.00)		EHRS QHRS QPTS GPA CURRENT: 13.0 13.0 40.99 3.153 CUMULATIVE: 51.0 39.0 119.02 3.052				
TIDE-1014	BrainWave:Self-Care in College	A-	1.00	3.67	2018 Spring				
CHEM-1075	General Chemistry Lab I	D	1.00	1.00	PHIL-3500	Buddhism	A	3.00	12.00
CHEM-1070	General Chemistry I	B	3.00	9.00	MATH-4060	Real Analysis II	B-	3.00	8.01
PHYS-1210	Introductory Physics I	B-	4.00	10.68	MATH-2170	Intro To Discrete Math	A	3.00	12.00
POLI-2500	International Relations	C	3.00	6.00	PHIL-2010	History of Ancient Philosophy	B	3.00	9.00
EHRS QHRS QPTS GPA CURRENT: 12.0 12.0 30.35 2.529 CUMULATIVE: 12.0 12.0 30.35 2.529					EHRS QHRS QPTS GPA CURRENT: 16.0 16.0 57.01 3.563 CUMULATIVE: 67.0 55.0 176.03 3.201				
2017 Spring					2018 Fall				
MATH-1220	Calculus II	A	4.00	16.00	MATH-3110	Abstract Algebra I	A	3.00	12.00
PSYC-1001	Psychology Beyond Classroom	S	(0.00)		THEA-2100	Fundamentals of Acting	A	3.00	12.00
PSYC-1000	Introductory Psych	A	3.00	12.00	PSYC-4180	History & Systems	C	3.00	6.00
ECON-1010	Intro to Microeconomics	B	3.00	9.00	MATH-6710	Analysis I	A / I	3.00	12.00
ENGL-1010	Writing	B-	4.00	10.68	MATH-6510	Topology I	B	3.00	9.00
EHRS QHRS QPTS GPA CURRENT: 14.0 14.0 47.68 3.406 CUMULATIVE: 26.0 26.0 78.03 3.001					EHRS QHRS QPTS GPA CURRENT: 15.0 15.0 51.00 3.400 CUMULATIVE: 82.0 70.0 227.03 3.243				

ISSUED TO: BOWEN LIU
 DIEJIAO NO.2 PRIMARY SCHOOL
 GUANGDONG PROVINCE
 FOSHAN, 528200
 China



Colette P. Raphael
 Colette P. Raphael
 University Registrar

NAME: Liu, Bowen
STUDENT ID: 526007274
BIRTH DAY: April 20

Tulane University

Office of the Registrar
 New Orleans, La. 70118-5698
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2019 Spring									
MATH-4120	Abstract Algebra II	B	3.00	9.00					
PHIL-3930	Virtue Ethics: East Meets West	B+	3.00	9.99					
PHIL-6941	Language and Ontology	B	3.00	9.00					
PHIL-6940	Sentiment, Morality: Hume+Smith	B	4.00	12.00					
			EHRS	QHRS	QPTS	GPA			
	CURRENT:		13.0	13.0	39.99	3.076			
	CUMULATIVE:		95.0	83.0	267.02	3.217			
2019 Fall									
ENLS-3891	Service Learning: ENLS 3620	A	1.00	4.00					
ENLS-3620	Workshop Creative Writing	B+	3.00	9.99					
MATH-3070	Intro To Probability	B	3.00	9.00					
MATH-4240	Ordinary Differentl Equa	C	3.00	6.00					
PHIL-1210	Elementary Symbolic Logic	A	3.00	12.00					
PHIL-6930	Knowledge	A-	3.00	11.01					
			EHRS	QHRS	QPTS	GPA			
	CURRENT:		16.0	16.0	52.00	3.250			
	CUMULATIVE:		111.0	99.0	319.02	3.222			
2020 Spring									
CMPS-4150	Multi-agent Systems	W	(0.00)						
CMPS-3140	Intro Artificial Intelligence	W	(0.00)						
CLAS-3890	Service Learning: CLAS 3060	S	(0.00)						
CLAS-3060	Greek Tragedy & Comedy	P	3.00						
PHIL-2020	History of Modern Phil	A	3.00	12.00					
CMPS-1600	Intro to Computer Science II	A	4.00	16.00					
PHIL-6930	Philosophy of Literature	A-	4.00	14.68					
			EHRS	QHRS	QPTS	GPA			
	CURRENT:		14.0	11.0	42.68	3.880			
	CUMULATIVE:		125.0	110.0	361.70	3.288			
** END OF UNDERGRADUATE RECORD **									

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 GUANGDONG PROVINCE
 FOSHAN, 528200
 China



Colette P. Raphael
 Colette P. Raphael
 University Registrar

Tulane University
College Board #6832
U.S. Dept of Ed #2029

PURSUANT TO FEDERAL LAW 93-380, AS AMENDED, THIS INFORMATION IS TRANSFERRED ONLY ON THE CONDITION THAT YOU WILL NOT PERMIT ACCESS TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF THE STUDENT.

NAME HISTORY

Tulane was founded in 1834 as the Medical College of Louisiana. In 1847, the Medical College merged into the Public University of Louisiana adding a Law School and College of Arts and Sciences (known as Paul Tulane College since November, 1993). In 1884, it was reorganized as Tulane University, a private non-sectarian university. Newcomb College, founded in 1886, was the Women's Coordinate College of Tulane University.

VALIDATION

The transcript, subsequent to and including fall 1980, is official only when it is printed on green safety paper, with the university seal, and bears the signature of the Registrar. Prior to fall 1980, the transcript is not printed on green safety paper but is official when it includes the university seal and bears the signature of the Registrar.

HONORS COURSES

Honors courses are designated by an "H" immediately after the course number.

CONCENTRATION

A concentration is a directed program of study within a major area. If a concentration program was completed, the title of the concentration is indicated on the transcript after the slash (/) in the major translation.

CREDIT HOUR

As of January, 1981, Tulane University's undergraduate colleges have changed from the unit system of credit to the credit hour. On transcripts from fall 1970 through summer 1980, undergraduate credit was granted in terms of units (1 unit = 4 credit hours). The current credit hour (like the unit) represents measurement of academic progress in terms of work undertaken and satisfactorily completed – not specifically related to an hour concept for class lecture or recitation.

All attempted work will appear on this record. However, different colleges within the university count such work differently in computing grade-point averages.

GRADE POINT AVERAGE

The grade point average is computed by dividing the number of quality points by the number of quality hours (GPA = QPTS/QHRS). Quality hours are accumulated in graded courses. Quality points are determined by multiplying the quality hours associated with a course by the grade points.

THE CALENDAR

Tulane follows the early semester type calendar consisting generally of 16 weeks of class days (the sum of regular class days, review days, and final exam days). The School of Medicine operates on a year-long term. There are summer sessions in all schools of varying lengths; however, the School of Social Work offers a full semester of work in the summer.

CREDIT FOR STUDY ABROAD COURESES

Beginning fall 2015, courses earned on study abroad programs through Tulane University and numbered 5380 and/or 5390 is no longer calculated into the semester or cumulative GPA.

COUNCIL ON INTERNATIONAL EDUCATIONAL EXCHANGE

Beginning Summer 2016, Tulane University entered into an agreement to serve as the School of Record for the Council on International Educational Exchange (CIEE) Study Abroad programs. Work earned through these programs is transcribed on a CIEE School of Record Transcript separate from other Tulane work. CIEE courses offered at CIEE study centers begin with the letter 'X', while courses offered by CIEE in partnership with other institutions begin with 'DE'.

The academic restructuring approved by the Tulane board on December 8, 2005 effective fall 2006, included the following changes. The creation of the Newcomb-Tulane Undergraduate College and the elimination of the coordinate college system, consisting of Newcomb College for undergraduate women and Tulane College for undergraduate men. All undergraduate students, regardless of major, matriculate through the Newcomb-Tulane Undergraduate College. Liberal Arts and Sciences and the School of Engineering were reconfigured into two schools, the School of Liberal Arts and the School of Science and Engineering. The Graduate School was eliminated as a separate administrative entity. Graduate degree programs will be administered by the appropriate school or college. University College was renamed the School of Continuing Studies, the part time division of Tulane.

Complete electronic transcripts for students in the School of Law begin with the entering cohort of 1980. Earlier cohorts may have courses on the electronic record post fall, 1980, but all grades for those courses exist only on the hard copy record.

Hurricane Katrina forced the closure of Tulane University for much of the fall 2005 term. During that term Tulane students enrolled as visitors at more than 600 institutions across the country. The work earned by students visiting elsewhere is posted on this transcript as consortium credit and is annotated as such. A limited number of courses were also completed at remote Tulane sites and that work will not carry the notation.

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TULANE UNIVERSITY SCHOOLS AND COLLEGES	
AR	School of Architecture
BS(U)	School of Business – Undergraduate only
BS(G)	School of Business – Graduate only
CS	School of Continuing Studies
EN(U)	School of Engineering – Undergraduate only
EN(G)	School of Engineering – Graduate only
GS	Graduate School
LA	School of Liberal Arts
LS	School of Law
MD	School of Medicine
NC	Newcomb College
PH(U)	School of Public Health and Tropical Medicine – Undergraduate
PH(G)	School of Public Health and Tropical Medicine – Graduate
SE	School of Science and Engineering
SW	School of Social Work
TC	Tulane College
UC	University College

GRADING SYSTEM

Grade	Quality Points	Valid In
A+	4	Excellent LS only**
A	4	Excellent All schools except MD
A-	3.67	Excellent All schools except MD
AU	-	Audit All schools
B+	3.33*	Above Average All schools except MD
B	3	Above Average All schools except MD
B-	2.67	Above Average All schools except MD
C+	2.33*	Average AR, BS(U), EN(U), LS, NC, TC, UC
C	2	Average AR, BS, EN(U), LS, NC, PH, SW, TC, UC
C-	1.67*	Average AR, BS(U), EN(U), LS, NC, TC, UC
CM	-	Commend AR
CN	-	Conditioned AR, MD
CR	-	Credit Granted All schools
D+	1.33	Below Average AR, BS(U), EN(U), LS, NC, TC, UC
D	1	Below Average AR, BS(U), EN(U), LS, NC, TC, UC
D-	0.67*	Below Average AR, BS(U), EN(U), LS, NC, TC, UC
E	-	Excellent Foreign Law Students Only***
F	-	Failing All schools except GS & EN(G)
HP	-	High Pass AR, BS(U), MD
HR	-	High Recommended Foreign Law Students Only***
I	-	Incomplete All schools****
IP	-	In Progress All schools
MP	-	Marginal Pass BS(G)
NC	-	No Credit All schools
NR	-	Not Recommended Foreign Law Students Only***
P	-	Pass AR, BS, EN(U), LS, NC, PH, SW, TC, UC
PB	-	Probation AR
R	-	Research GS
RM	-	Recommended Foreign Law Students Only***
S	-	Satisfactory EN(G), GS, NC, SW, TC, UC
U	-	Unsatisfactory EN(G), GS, NC, SW, TC, UC
W	-	Withdrawn All schools
WF	-	Withdrawn Failing All schools
WP	-	Withdrawn Passing All schools
UW	-	Unofficial Withdrawal All schools
VG	-	Very Good Foreign Law Students Only***

* In Law, prior to summer 1991, the quality points for these grades were 3.5 (B+), 2.5 (C+), 1.5 (C-) and 0.5 (D-).

** Effective fall 2010.

*** Awarded prior to fall 2015 to foreign students in the School of Law

**** Resolved Incomplete grades will continue to show - / I after the final grade to indicate the initial assignment of an Incomplete



Minzu University of China

International Summer Session

27th Zhongguancun South Street,
Haidian District, Beijing, PRC 100081
Tel: +86-01068933306

Transcript Record

2017学年 YEAR 2017	姓名 NAME	刘博文 Bowen Liu	性别 GENDER	男 Male	出生年月 DATE OF BIRTH	04/20/1998
在校时间 DURATION	07/03/2017-08/04/2017					
课程号 COURSE NO.	课程名 COURSE NAME		学时/学分 HOURS/ CREDITS		成绩 GRADE	
MATH 340	线性代数与微分方程 Linear Algebra and Differential Equations		60/4		C+	
MATH 375	多变量微积分 Multivariable Calculus		60/4		B	
MATH 135	微积分 I Calculus I		60/4		A+	

Notice:

The 2017 International Summer Session lasts for 33 days. There count 60 contact hours and 4 credits of each course. All the courses are instructed in English. All the students, who attend in this session, need to follow the academic requirement of Minzu University of China. Dishonest behaviors are not accepted and will cause the failure of the courses.

Student from Minzu, please come to the academic affairs to confirm the transfer into the educational system; student from other universities, please contact with related office for more information.

The Grading Standard:

Level	Grade	GPA	Level	Grade	GPA
A+	97-100	4.0	C	74-76	2.93
A	94-96	3.8	C-	70-73	2.8
A-	90-93	3.6	D+	67-69	2.67
B+	87-89	3.47	D	64-66	2.53
B	84-86	3.33	D-	60-63	2.4
B-	80-83	3.2	F	<60	0
C+	77-79	3.07			

中央民族大学教务处
Office of Academic Affairs
Minzu University of China



Dec 14, 2021

Bowen Liu

has successfully completed

Introduction to Complex Analysis

an online non-credit course authorized by Wesleyan University and offered through
Coursera

Petra Bonfert-Taylor

Professor Petra Bonfert-Taylor
Visiting Scholar in Mathematics
Wesleyan University

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/MEE8JECJF3M
Coursera has confirmed the identity of this individual and their
participation in the course.