



WENZHOU KEAN UNIVERSITY



FOUR YEAR ACADEMIC PLAN

Degree/Major: **B.A. IN MATHEMATICAL SCIENCES (Data Analytics Option)**

Effective Date: Fall 2019

Total Credits Required: 120 S.H.

Name: _____

Student ID# _____ Start Term: _____

Freshman Year

Fall Semester Year 1

GE 1000 Transition to Kean 过渡到肯恩 I	
MATH 2415 Calc. I 微积分 I	4
ENG 1300 College Composition 非母语学生英语作文 I	6*
ESL 0303 学术口语演讲 I	3**
ESL 0305 学术书面用语 I	3**
PE 3xxxxx 体育课 I	1**

Total Credits: 17

*3 Credits for Composition, 3 credits as lower-level free electives

** Credits do not count toward graduation

Spring Semester Year 1

MATH 2416 Calculus II 微积分 II	4
ENG 1430 College Comp. II 非母语学生英语作文 II	6*
ESL 0403 学术口语演讲 II	3**
ESL 0405 学术书面用语 II	3**
PE 3xxxxx 体育课 II	1**
Chinese Art 中方艺术课	1**

Total Credits: 16

Winter and Summer Courses

	Winter	Summer II
Chinese 301003 国情课	2**	0
Chinese 301004 国情课	2**	0
Total Credits:	_____	_____

Sophomore Year

Fall Semester Year 2

MATH 3415 Calculus III 微积分 II	4
MATH 2995 Matrix and Lin Alg. 矩阵和线性算法	3
GE 2024 Research and Tech 研究与技术 3	
GE Soc Sci I 通识社会科学选修 I	3
CPS 1231 Fund of Comp Science 基础计算机科学	4
PE 3xxxxx 体育课	1
Chinese Art	1**

Total Credits: 17

Spring Semester Year 2

MATH 3544 Prob. and Stats 概率统计学 3	
CPS 2231 Comp Org and Prog. 计算机组织与程序设计	4
MATH 2526 Applied Statistics 应用统计学 3	
COMM 1402 Speech Comm. 言语交际	3
Physics 2091/2095 or CHEM 1083 物理/化学	4
PE 3xxxxx 体育课	1**

Total Credits: 17

Summer and Winter Courses

Winter	Summer
_____	Chinese 301001 国情课 2**
_____	Chinese 301002 国情课 2**
Total Credits: _____	Total Credits: _____

Junior Year

Fall Semester Year 3	Spring Semester Year 3
MATH 3700 Big Data Computing 大数据计算 3 分析基础 3	MATH 3710 Found of Data Analytics 数据
History 1062 世界历史 3	MATH Major Elective I 主要选修课 I 3
GE Soc Sci II 通识社会科学选修 3	GE Humanities I 人文学科 3
FE 1000-2000 1 自由选修课 1 3	GE Science (add'l) 自科学课 I 4
FE 1000-2000 2 自由选修课 2 3	Free Elective (3000-4000) 3 3or4****
ENG 2403 World Literature 世界文学 3	自由选修课
Total Credits: 18	Total Credits: 16

Summer Courses

Summer I	Summer II
Optional Internship Course 实习选修课程 1****	_____ 0
_____ 0	_____ 0
Total Credits: _____	Total Credits: _____

Senior Year

Fall Semester Year 4	Spring Semester Year 4
MATH 4710 Data Visualization 数据可视化 3	MATH 4890** Senior Seminar 高级研讨会 3
MATH 4720 Stat Data Mining 统计数据挖掘 3	MATH Major Elective III 主修课 3
MATH Major Elective II 主修课 II 3	GE Humanities II 人文选修课 3
Free Elective (3000-4000) 4 自由选修课 3	Free Elective (3000-4000) 6 自由选修课 3
Free Elective (3000-4000) 5 自由选修课 3	Free Elective (3000-4000) 7 自由选修课 3
Total Credits: 15	Total Credits: 15

Summer Courses

Summer I	Summer II
_____ 0	_____ 0
_____ 0	_____ 0
Total Credits: _____	Total Credits: _____

TOTAL CREDITS REQUIRED FOR GRADUATION: 120

**** 1 credit can be cover as free elective Optional Internship Course