昆山杜克大学 DUKE KUNSHAN UNIVERSITY

Data Science

YEAR ONE							
FALL SEMESTER				SPRING SEMESTER			
SESSION 1		SESSION 2		SESSION 1		SESSION 2	
Course	*credits*	*Course*	*credits*	*Course*	*credits*	*Course*	*credits*
MATH 101/105 (1010)	DF/4	BIOL 110 (1111) / CHEM 110 (1111) / PHYS 121 (0111) / INTGSCI 205 (??01)	DF/4	STATS 102 (1010) COMPSCI 101 (1111)	E/4	BIOL 110 (1111) / CHEM 110 (1111) / PHYS 121 (0111) / INTGSCI 205 (??01)	DF/4
Chinese/EAP 101A	2	MATH 201 (0101)	D/4	GCHINA 101	4	MATH 202 (1111)	D/4
Writing Course	2	EAP 101B	2	EAP 102A	2	EAP 102B	2
DKU 101	0						
Total credits		*Total credits*		*Total credits*		*Total credits*	

YEAR TWO							
FALL SEMESTER				SPRING SEMESTER			
SESSION 1		SESSION 2		SESSION 1		SESSION 2	
Course	*credits*	*Course*	*credits*	*Course*	*credits*	*Course*	*credits*
MATH 206 (1010)	D/4	COMPSCI 201(1110)	ID/4	MATH 304 (1010)	D/4	COMPSCI 301 (0101)	D/4
GLOCHALL 201	4	STATS 211 (0111)	D/4	COMPSCI 203 (1010)	E/4	MATH 305 (0101)	D/4
Total credits		*Total credits*		*Total credits*		*Total credits*	

YEAR THREE							
FALL SEMESTER				SPRING SEMESTER			
SESSION 1		SESSION 2		SESSION 1		SESSION 2	
Course	*credits*	*Course*	*credits*	*Course*	*credits*	*Course*	*credits*
STATS 302 (1111)	ID/4	STATS 303 (0101)	ID/4	STATS 401 (1010)	ID/4	COMPSCI 302 (0001) STATS 304 (0001)	E/4
SOCS 320 (1000)	E/4	COMPSCI 205 (0101) COMPSCI 207 (0100) ECON 211 (0100)	E/4	COMPSCI 304 (0010) COMPSCI 401 (0010)	E/4	STATS 402 (0101)	ID/4
Total credits		*Total credits*		*Total credits*		*Total credits*	

YEAR FOUR							
FALL SEMESTER				SPRING SEMESTER			
SESSION 1		SESSION 2		SESSION 1		SESSION 2	
Course	*credits*	*Course*	*credits*	*Course*	*credits*	*Course*	*credits*
COMPSCI 402(1000)	E/4	STATS 403 (0100)	E/4	COMPSCI 311 (0010)	E/4	COMPSCI 306 (0001) STATS 404 (0001)	E/4
CAPSTONE 495	4	CAPSTONE 496	4				
Total credits		*Total credits*		*Total credits*		*Total credits*	

DF: Divisional Foundation, D: Disciplinary, ID: Interdisciplinary, E: Elective

The code in parenthesis indicates whether a course is offered during a particular session, from session 1 to session 4. For instance, 0101 means that a course is available during session 2 and 4. Having said that, course offering frequencies may vary. For the most recent information on available courses, please visit DKU Hub.

Notes

1. For MATH 101/105, only of them should be taken.
2. Concerning the following four courses, PHYS 121 is strongly recommended especially for the students who would like to pursue a graduate degree in a field related to Electrical and Computer Engineering. Additionally, if INTGSCI 205 is being planned to be taken, it is suggested to take INTGSCI 205 after completing one of the other three courses.
   - BIOL 110: Integrated Science – Biology
   - CHEM 110: Integrated Science – Chemistry
   - PHYS 121: Integrated Science – Physics
   - INTGSCI 205: Integrated Science
3. CAPSTONE 495 and COMPSCI 496 correspond to signature work.
4. COMPSCI 302: Computer Vision is offered only during session 4.
5. STATS 304: Bayesian and Modern Statistics and STATS 404: Probabilistic Graphical Models (potentially) are offered once every 2 years.
6. SOCS 320: Data in the World: Applied Social Statistics requires STATS 101: Introduction to Applied Statistical Methods which is not a part of the Data Science curriculum.
7. A term at Duke University should be considered, either for the first semester or the second semester of your third year. For your course choices at Duke, concerning their equivalencies with the DKU courses, please refer to https://globaled.dukekunshan.edu.cn/outbound/prepare/academics-credits/duke-dku-credit-transfer/ and check the document named *Equivalencies from Duke-DKU courses for major requirements*. Here are potential Duke alternatives for the courses placed in the sample 4-year plan:
   - STATS 302: Principles of Machine Learning (DKU) ≈ COMPSCI 371 / 371D: Elements of Machine Learning (Duke)
   - STATS 401: Data Acquisition and Visualization (DKU) ≈ ISS 313L/STA 313L: Advanced Data Visualization (Duke)
   - COMPSCI 205: Computer Organization and Programming (DKU) ≈ COMPSCI 205D/ECE 250D: Computer Architecture (Duke)
   - etc.

MISC

- A total of 136 DKU credits is required for international students to graduate. Out of those minimum 136 credits required to graduation, 34 credits must be taught/co-taught by Duke faculty. For Chinese students, including those from Hong Kong, Macau, and Taiwan, need to complete 158 DKU credits, concerning the additional credits in accordance with the requirements of the Ministry of Education.
- To meet the credit requirements, students need to complete additional elective courses in addition to completing the General Education and Major Requirements. The listed elective courses in the bulletin are the *recommended* ones, aligned with the major. Any other courses can also be taken, instead.
- In Fall and Spring terms, the normal course load is 16-20 credits (8-10 credits in each 7-week session).
- DKU 101 is a 0-credit course that needs to be taken by every student during the first session of the first year. It extends DKU's standard first-year orientation by creating a more in-depth course that familiarizes first-year students with the concepts, ideas, and principles necessary to be successful at DKU and in a liberal arts and sciences setting generally.