

Programme Learning Outcomes (PLO) of the BAsC(SDS) degree curriculum

Students completing the BAsC(SDS) curriculum should be able to:

1. Examine decision-making process based on the digital data and information and how the data and information revolution will transform society as a whole;
2. Apply the design principles and emerging methodologies with information technology from the social informatics perspectives in addressing social challenges;
3. Synthesize interdisciplinary knowledge and skills in social computation and statistics for analysis/analytics to solve real world problems;
4. Demonstrate skills and knowledge in data science and social computation through operating with tools and techniques for analysing, visualising, and modelling data;
5. Evaluate various computational approaches with appropriate criteria for addressing a problem/challenge;
6. Design basic solutions in addressing social, economic or political inquiries and challenges; and
7. Build awareness of social informatics and data science in research and identify controversies and initiatives in the region and the globe.

**Mapping of the PLOs of the BAsC(SDS) degree curriculum with
the University Educational Aims**

University Educational Aims	BAsC(SDS) Programme Learning Outcomes
<i>Benchmarked against the highest international standards, the 4-year undergraduate curriculum at HKU is designed to enable our students to develop their capabilities in:</i>	<i>Students completing the BAsC(SDS) curriculum should be able to:</i>
1. <i>Pursuit of academic / professional excellence, critical intellectual enquiry and life-long learning</i>	2. Apply the design principles and emerging methodologies with information technology from the social informatics perspectives in addressing social challenges. 3. Synthesize interdisciplinary knowledge and skills in social computation and statistics for analysis/analytics to solve real world problems. 4. Demonstrate skills and knowledge in data science and social computation through operating with tools and techniques for analysing, visualising, and modelling data. 5. Evaluate various computational approaches with appropriate criteria for addressing a problem/challenge. 6. Design basic solutions in addressing social, economic or political inquiries and challenges.
2. <i>Tackling novel situations and ill-defined problems</i>	2. Apply the design principles and emerging methodologies with information technology from the social informatics perspectives in addressing social challenges. 3. Synthesize interdisciplinary knowledge and skills in social computation and statistics for analysis/analytics to solve real world problems. 5. Evaluating various computational approaches with appropriate criteria for addressing a problem/challenge.
3. <i>Critical self-reflection, greater understanding of others, and upholding personal and professional ethics</i>	1. Examine decision-making process based on the digital data and information and how the data and information revolution will transform society as a whole. 7. Build awareness of social informatics and data science in research and identify controversies and initiatives in the region and the globe.
4. <i>Intercultural communication, and global citizenship</i>	7. Build awareness of social informatics and data science in research and identify controversies and initiatives in the region and the globe.
5. <i>Communication and collaboration</i>	3. Synthesize interdisciplinary knowledge and skills in social computation and statistics for analysis/analytics to solve real world problems. 4. Demonstrate skills and knowledge in data science and social computation through operating with tools and techniques for analysing, visualising, and modelling data.
6. <i>Leadership and advocacy for the improvement of the human condition</i>	6. Design basic solutions in addressing social, economic or political inquiries and challenges; 7. Build awareness of social informatics and data science in research and identify controversies and initiatives in the region and the globe.