Hong Kong Shue Yan University

Industrial Attachment Office

BEPP Youth Competitiveness Indicators Model

**3rd Biannual Assessment Report**

Introduction

The BEPP Youth Competitiveness Indicators Model (Model) is a comprehensive assessment tool developed by the Business, Economics and Public Policy Centre in conjuncture with Commission on Youth (2014) based on the "Youth Competitiveness Indicator System in Hong Kong" (Indicator system)[1].

In the indicator system, there are 21 elements formed under 7 indicators, namely "adaptability to future changes", "basic skills competence", "psychological features", "regular soft power", "inherent factor", "human resources" and "supporting environment". The 7 indicators can be divided into 2 main parts. The first part comprises 5 indicators, namely "adaptability to future changes", "basic skills competence", "psychological features", "regular soft power" and "inherent factor", represented by the statistics of young people collected from a micro perspective and gathered from first-hand data (micro-data) obtained through questionnaires. The second part comprises 2 indicators, namely "human resources" and "supporting environment", represented by territory-wide statistics collected from a macro perspective and retrieved from existing openly available data (macro-data). The micro-data reflect the competitiveness of young people in Hong Kong while those macro-data indicate the global competitiveness of our young people as a whole.

The micro-data model of 5 indicators with 16 elements was adopted for assessing the sustainable capacity of Shue Yan students in light of the future development trend (See Figure 1).

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[1] Commission on Youth. (2015). 香港青年競爭力指標體系研究 [A Study on the Youth Competitiveness Indicator System in Hong Kong]. HKSAR: Business, Economic and Public Policy Research Centre, Hong Kong Shue Yan University. A total of 4,253 young people aged between 15 and 24 were covered in the study. Confirmatory factor analysis (CFA) and structural equation modelling (SEM) were employed to validate the questionnaire and the Indicator System.

Figure 1: BEPP Youth Competitiveness Indicators Model
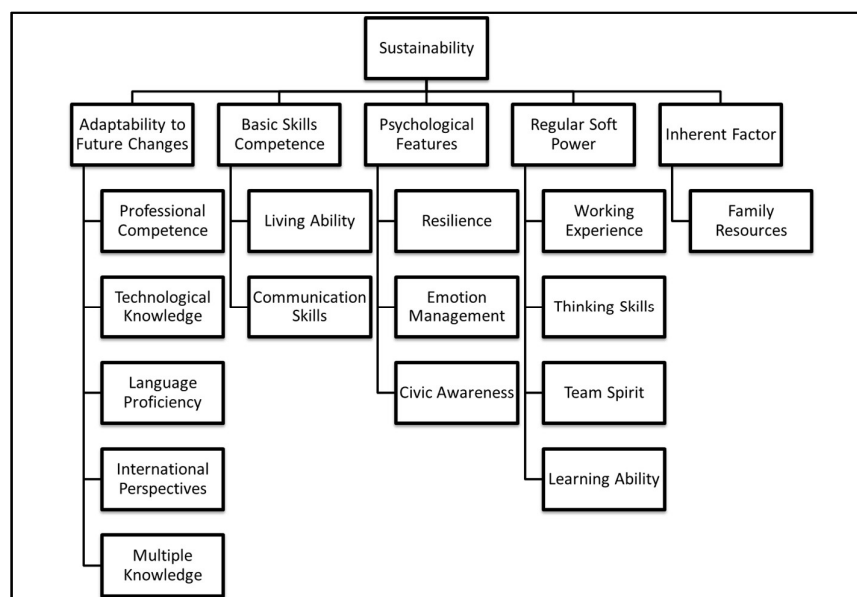
The first indicator is the Adaptability to future changes (配合未來變化能力), comprising the elements of the Professional competence (專業能力), Technological knowledge (科技知識), Language proficiency (語言能力), International perspectives (國際視野) and Multiple knowledge (多元知識). Below are the definition of each element:

- Professional competence: relating to individual profession or technical expertise, the professional knowledge acquired and the skills required in a particular field, or the competence of an individual in a certain area.
- Technological knowledge: the technique in processing information technology efficiently and the proficiency with computer programmers.
- Language proficiency: the knowledge of and proficiency in foreign languages.
- International perspectives: the ability to handle cross-cultural exchanges and cope with or adapt to the development trend of globalization.
- Multiple knowledge: a conglomeration of abilities in adapting to future changes, reflecting the future competitiveness of the youth.

The second indicator is the Basic skills competence (基礎技術能力) which consists of two elements, i.e. Living ability (生活能力) and Communication skills (溝通能力). The definition of each element is set out below:

- Living ability: abilities in self-caring, financial management and planning for the future.
- Communication skills: the ability to show and express one's opinions and feelings.

The third indicator is the Psychological features (心理特徵) which comprise the elements of Integrity (品德),

Resilience (抗逆能力), Emotion management (情緒控制) and Civic awareness (公民意識). The definition of each elements is listed below:

- Integrity: personal conduct and characters, a reflection of an individual's behavior and conduct.
- Resilience: the ability to overcome difficulties and recover from adversity after a major crisis.
- Emotion management: the ability to show and immediately change the emotions experienced in different situations.
- Civic awareness: the understanding of and concern about civil obligations and the civic values held.

The fourth indicator is the Regular soft power (恆常軟實力) which comprises such elements as Working experience (工作經歷), Thinking skills (思考能力), Team spirit (團隊合作) and Learning ability (學習能力). Below are the definitions of the elements:

- Working experience: personal experience and exposure, understanding and appreciation of interpersonal relationship as well as the values towards a job.
- Thinking skills: ability in decision-making and problem-solving, cognitive competence, goal setting capacity, creativity and a sense of moral judgment.
- Team spirit: interpersonal communication skills, comradeship, managerial and organizing capacity.
- Learning ability: motivation for and performance of learning, including both psychological and environmental factors.

The fifth indicator refers to the Inherent factor (天賦因素) of which Family resources (家庭資源) is the element. Family resources refers to the relationship between the youth and their parents.

Operation

Participants complete the pre- and post-industrial attachment questionnaires online on a voluntary basis. It shall be noted that, firstly, this is a year-round survey, so it is possible for students to participate in the survey across different reporting periods. Secondly, the arrangement of industrial attachment (i.e. duration, start- and end-time) are varied. Thirdly, data recorded from 1 September 2018 to 9 February 2020 is presented in this 3rd Biannual Assessment Report (i.e. including 1st period, 2nd period, and 3rd period data). In other words, students who complete the pre-industrial attachment questionnaire shall start their industrial attachment within or after this period while students who complete the post-industrial attachment questionnaire shall finish their industrial attachment within or before this period. The changes would be shown if the same participant completed pre- and post-industrial attachment questionnaire up to the current reporting period. The number of students participated in the pre- and post-industrial attachment survey are shown as below.

Table 1: Number of students completed the pre- and/or post-industrial attachment survey

Pre-industrial attachment	330

Post-industrial attachment	165
Matched pair	75

Result

<u>Pre-industrial attachment survey</u>

Full sample

There are 330 students (109 males and 221 females) from 11 programs (i.e. Chinese Language and Literature, English, History, Journalism and Communication, Accounting, Business Administration, Economics and Finance, Law and Business, Psychology, Social Work, and Sociology) participated in the pre-industrial attachment survey. The mean of youth competitiveness is 3.80 out of 5. The indicators of "Adaptability to Future Changes", "Basic Skills Competence", "Psychological Features", "Regular Soft Power" and "Inherent Factor" were 3.53, 3.93, 3.83, 3.91 and 3.78 respectively.

Figure 2: 5 indicators - Pre - Full sample

Table 2: 5 indicators and 16 elements - Pre - Full sample

	Youth Competitiveness	Adaptability to Future Changes	Basic Skills Competence	Psychological Features	Regular Soft Power	Inherent Factor
Mean	3.80	3.53	3.93	3.83	3.91	3.78
SD	0.40	0.48	0.47	0.37	0.43	0.85
Q1	4.05	3.85	4.21	4.00	4.09	4.44
Q2	3.79	3.53	3.96	3.81	3.91	3.75
Q3	3.55	3.22	3.63	3.63	3.65	3.25
	Professional Competence	Technological Knowledge	Language Proficiency	International Perspectives	Multiple Knowledge
Mean	2.54	3.84	3.77	3.98	3.54
SD	0.91	0.60	0.49	0.62	0.54
Q1	3.00	4.25	4.00	4.25	3.75
Q2	2.33	3.75	3.75	4.00	3.50
Q3	2.00	3.50	3.50	3.75	3.25
	Living	Communication	Integrity	Resilience	Emotion

	Ability	Skills			Management
Mean	3.89	3.97	4.04	3.30	3.91
SD	0.53	0.57	0.50	0.58	0.53
Q1	4.25	4.33	4.25	3.75	4.00
Q2	4.00	4.00	4.00	3.25	4.00
Q3	3.50	3.67	3.75	3.00	3.75
	Civic Awareness	Working Experience	Thinking Skills	Team Spirit	Learning Ability	Family Resources
Mean	4.08	3.73	3.93	3.97	4.00	3.78
SD	0.50	0.62	0.54	0.51	0.54	0.85
Q1	4.50	4.00	4.20	4.20	4.25	4.44
Q2	4.00	3.75	4.00	4.00	4.00	3.75
Q3	3.75	3.50	3.60	3.60	3.56	3.25

Note: Q1, Q2, Q3 = 1st, 2nd, 3rd quartiles; rounding to 2 decimal places

History

There are 21 History students (12 males and 9 females) participated in the pre-industrial attachment survey. The mean of youth competitiveness is 3.65 out of 5. The indicators of "Adaptability to Future Changes", "Basic Skills Competence", "Psychological Features", "Regular Soft Power" and "Inherent Factor" were 3.38, 3.68, 3.67, 3.70 and 3.80 respectively. To compare with the full sample, the participants from History acquire a higher value in inherent factors while lower in adaptability to future changes, basic skills competence, psychological features and regular soft power.

Figure 3: 5 indicators - Pre - History
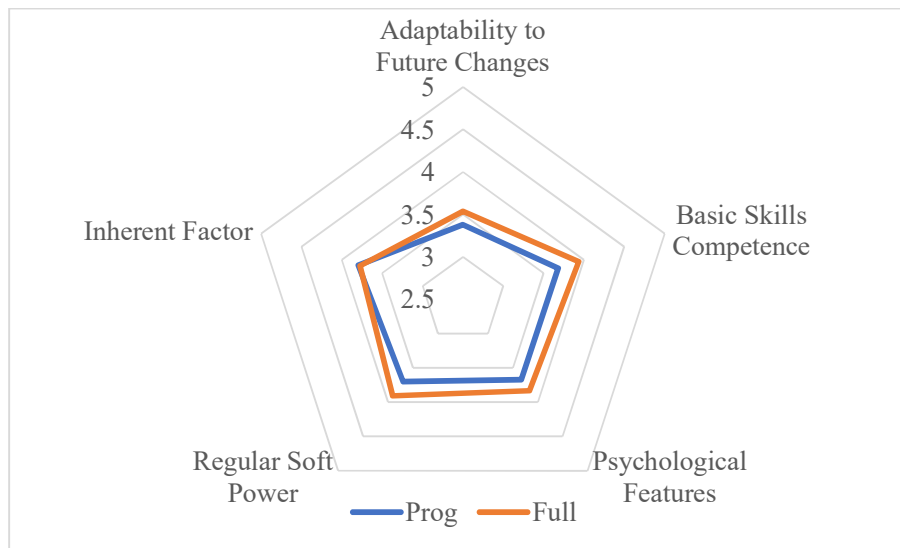
Note: Prog = values for the program; Full = values for the full sample
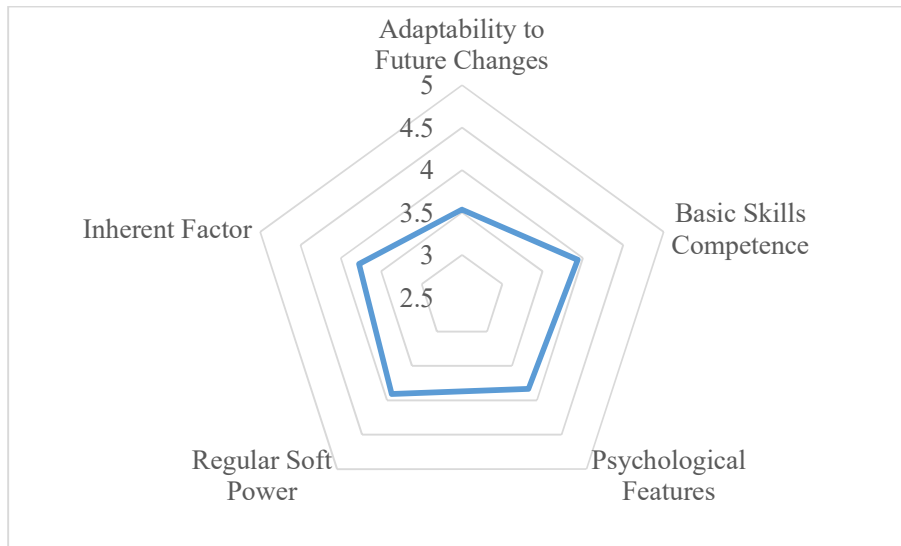
Table 3: 5 indicators and 16 elements - Pre - History

	Youth Competitiveness		Adaptability to Future Changes		Basic Skills Competence		Psychological Features		Regular Soft Power		Inherent Factor	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	3.65	3.80	3.38	3.53	3.68	3.93	3.67	3.83	3.70	3.91	3.80	3.78
SD	0.53	0.40	0.64	0.48	0.50	0.47	0.43	0.37	0.53	0.43	0.95	0.85

Q1	3.98	4.05	3.85	3.85	4.00	4.21	3.81	4.00	4.00	4.09	5.00	4.44
Q2	3.56	3.79	3.40	3.53	3.63	3.96	3.56	3.81	3.59	3.91	3.75	3.75
Q3	3.27	3.55	2.97	3.22	3.33	3.63	3.50	3.63	3.36	3.65	3.00	3.25

	Professional Competence		Technological Knowledge		Language Proficiency		International Perspectives		Multiple Knowledge	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	2.51	2.54	3.56	3.84	3.76	3.77	3.71	3.98	3.35	3.54
SD	1.01	0.91	0.75	0.60	0.53	0.49	0.82	0.62	0.75	0.54
Q1	3.00	3.00	4.00	4.25	4.00	4.00	4.00	4.25	4.00	3.75
Q2	2.33	2.33	3.75	3.75	4.00	3.75	4.00	4.00	3.50	3.50
Q3	2.00	2.00	3.00	3.50	3.50	3.50	3.00	3.75	3.00	3.25

	Living Ability		Communication Skills		Integrity		Resilience		Emotion Management	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	3.68	3.89	3.68	3.97	3.83	4.04	3.07	3.30	3.69	3.91
SD	0.56	0.53	0.58	0.57	0.54	0.50	0.60	0.58	0.72	0.53
Q1	4.00	4.25	4.00	4.33	4.00	4.25	3.50	3.75	4.00	4.00
Q2	3.75	4.00	3.67	4.00	4.00	4.00	3.25	3.25	3.50	4.00
Q3	3.25	3.50	3.33	3.67	3.50	3.75	2.75	3.00	3.00	3.75

	Civic Awareness		Working Experience		Thinking Skills		Team Spirit		Learning Ability		Family Resources	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	4.08	4.08	3.67	3.73	3.59	3.93	3.57	3.97	3.98	4.00	3.80	3.78
SD	0.44	0.50	0.67	0.62	0.72	0.54	0.63	0.51	0.56	0.54	0.95	0.85
Q1	4.25	4.50	4.00	4.00	4.00	4.20	4.00	4.20	4.25	4.25	5.00	4.44
Q2	4.00	4.00	4.00	3.75	3.60	4.00	3.40	4.00	4.00	4.00	3.75	3.75
Q3	4.00	3.75	3.00	3.50	3.00	3.60	3.20	3.60	3.75	3.56	3.00	3.25

Note: Q1, Q2, Q3 = 1ˢᵗ, 2ⁿᵈ, 3ʳᵈ quartiles; Prog = values for the program; Full = values for the full sample; rounding to 2 decimal places

Journalism and Communication

There are 38 Journalism and Communication students (8 males and 30 females) participated in the pre-industrial attachment survey. The mean of youth competitiveness is 3.72 out of 5. The indicators of "Adaptability to Future Changes", "Basic Skills Competence", "Psychological Features", "Regular Soft Power" and "Inherent Factor" were 3.62, 3.85, 3.82, 3.85 and 3.49 respectively. To compare with the full sample, the participants from Journalism and Communication acquire a higher value in adaptability to future changes while lower in basic skills competence, psychological features, regular soft power and inherent factors.

Figure 4: 5 indicators - Pre - Journalism and Communication
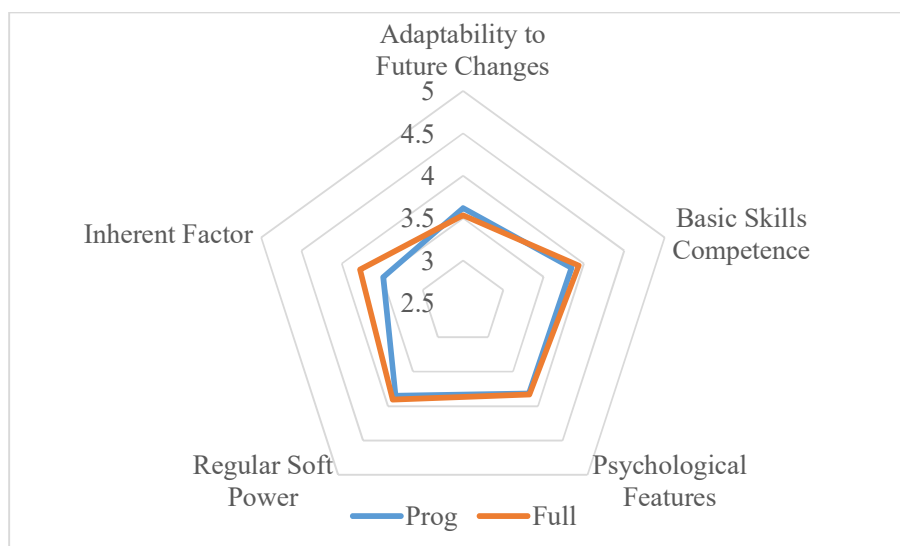
Note: Prog = values for the program; Full = values for the full sample

Table 4: 5 indicators and 16 elements - Pre - Journalism and Communication

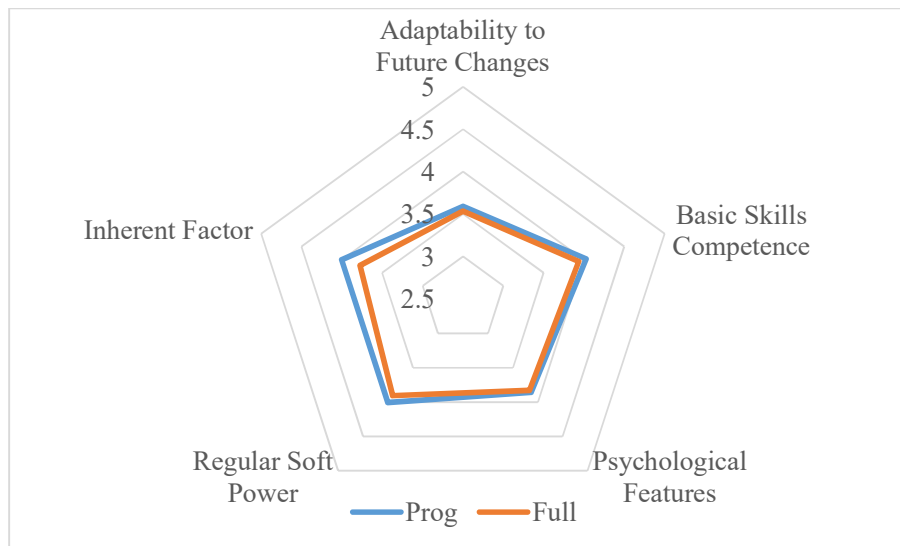|	Youth Competitiveness		Adaptability to Future Changes		Basic Skills Competence		Psychological Features		Regular Soft Power		Inherent Factor	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	3.72	3.80	3.62	3.53	3.85	3.93	3.82	3.83	3.85	3.91	3.49	3.78
SD	0.45	0.40	0.52	0.48	0.47	0.47	0.40	0.37	0.48	0.43	0.91	0.85
Q1	3.94	4.05	3.85	3.85	4.00	4.21	4.05	4.00	4.02	4.09	4.00	4.44
Q2	3.73	3.79	3.68	3.53	3.77	3.96	3.72	3.81	3.87	3.91	3.50	3.75
Q3	3.44	3.55	3.20	3.22	3.50	3.63	3.56	3.63	3.49	3.65	3.00	3.25
	Professional Competence		Technological Knowledge		Language Proficiency		International Perspectives		Multiple Knowledge			
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full		
Mean	2.63	2.54	4.03	3.84	3.82	3.77	3.97	3.98	3.65	3.54		
SD	0.88	0.91	0.60	0.60	0.53	0.49	0.66	0.62	0.63	0.54		
Q1	3.00	3.00	4.50	4.25	4.19	4.00	4.38	4.25	4.00	3.75		
Q2	2.33	2.33	4.00	3.75	3.88	3.75	4.00	4.00	3.75	3.50		
Q3	2.00	2.00	3.56	3.50	3.50	3.50	3.75	3.75	3.25	3.25		
	Living Ability		Communication Skills		Integrity		Resilience		Emotion Management			
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full		
Mean	3.68	3.89	4.01	3.97	4.01	4.04	3.31	3.30	3.84	3.91		
SD	0.62	0.53	0.53	0.57	0.56	0.50	0.53	0.58	0.58	0.53		
Q1	4.00	4.25	4.33	4.33	4.50	4.25	3.75	3.75	4.00	4.00		
Q2	3.63	4.00	4.00	4.00	4.00	4.00	3.25	3.25	3.88	4.00		
Q3	3.25	3.50	4.00	3.67	3.75	3.75	3.00	3.00	3.50	3.75		
	Civic Awareness		Working Experience		Thinking Skills		Team Spirit		Learning Ability		Family Resources	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	4.12	4.08	3.69	3.73	3.96	3.93	3.96	3.97	3.78	4.00	3.49	3.78
SD	0.54	0.50	0.64	0.62	0.59	0.54	0.51	0.51	0.63	0.54	0.91	0.85
Q1	4.44	4.50	4.00	4.00	4.20	4.20	4.00	4.20	4.00	4.25	4.00	4.44
Q2	4.00	4.00	3.75	3.75	4.00	4.00	4.00	4.00	3.75	4.00	3.50	3.75
Q3	4.00	3.75	3.00	3.50	3.00	3.60	3.20	3.60	3.75	3.56	3.00	3.25

Note: Q1, Q2, Q3 = 1st, 2nd, 3rd quartiles; Prog = values for the program; Full = values for the full sample;

rounding to 2 decimal places

Business Administration

There are 96 Business Administration students (34 males and 62 females) participated in the pre-industrial attachment survey. The mean of youth competitiveness is 3.90 out of 5. The indicators of "Adaptability to Future Changes", "Basic Skills Competence", "Psychological Features", "Regular Soft Power" and "Inherent Factor" were 3.59, 4.03, 3.86, 4.01 and 4.00 respectively. To compare with the full sample, the participants from Business Administration acquire a higher value in all the indicators.

Figure 5: 5 indicators - Pre - Business Administration

Note: Prog = values for the program; Full = values for the full sample

Table 5: 5 indicators and 16 elements - Pre - Business Administration

	Youth Competitiveness		Adaptability to Future Changes		Basic Skills Competence		Psychological Features		Regular Soft Power		Inherent Factor	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	3.90	3.80	3.59	3.53	4.03	3.93	3.86	3.83	4.01	3.91	4.00	3.78
SD	0.37	0.40	0.50	0.48	0.51	0.47	0.32	0.37	0.42	0.43	0.78	0.85
Q1	4.13	4.05	3.97	3.85	4.34	4.21	4.06	4.00	4.24	4.09	4.50	4.44
Q2	3.91	3.79	3.52	3.53	4.00	3.96	3.88	3.81	4.00	3.91	4.00	3.75
Q3	3.65	3.55	3.28	3.22	3.71	3.63	3.75	3.63	3.75	3.65	3.50	3.25
	Professional Competence		Technological Knowledge		Language Proficiency		International Perspectives		Multiple Knowledge			
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full		
Mean	2.57	2.54	3.85	3.84	3.86	3.77	4.08	3.98	3.59	3.54		
SD	1.00	0.91	0.58	0.60	0.53	0.49	0.64	0.62	0.53	0.54		
Q1	3.33	3.00	4.25	4.25	4.25	4.00	4.50	4.25	3.75	3.75		
Q2	2.67	2.33	3.75	3.75	3.75	3.75	4.00	4.00	3.50	3.50		
Q3	2.00	2.00	3.50	3.50	3.50	3.50	3.75	3.75	3.25	3.25		
	Living Ability		Communication Skills		Integrity		Resilience		Emotion Management			
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full		
Mean	4.00	3.89	4.05	3.97	4.03	4.04	3.41	3.30	4.01	3.91		

SD	0.51	0.53	0.65	0.57	0.49	0.50	0.49	0.58	0.42	0.53
Q1	4.25	4.25	4.42	4.33	4.31	4.25	3.75	3.75	4.25	4.00
Q2	4.00	4.00	4.00	4.00	4.00	4.00	3.50	3.25	4.00	4.00
Q3	3.75	3.50	3.67	3.67	3.75	3.75	3.00	3.00	3.75	3.75

	Civic Awareness		Working Experience		Thinking Skills		Team Spirit		Learning Ability		Family Resources	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	4.00	4.08	3.80	3.73	4.03	3.93	4.08	3.97	4.13	4.00	4.00	3.78
SD	0.46	0.50	0.64	0.62	0.49	0.54	0.46	0.51	0.54	0.54	0.78	0.85
Q1	4.25	4.50	4.25	4.00	4.20	4.20	4.20	4.20	4.50	4.25	4.50	4.44
Q2	4.00	4.00	3.75	3.75	4.00	4.00	4.00	4.00	4.00	4.00	4.00	3.75
Q3	4.00	3.75	3.50	3.50	3.80	3.60	4.00	3.60	4.00	3.56	3.50	3.25

Note: Q1, Q2, Q3 = 1st, 2nd, 3rd quartiles; Prog = values for the program; Full = values for the full sample; rounding to 2 decimal places

Economics and Finance

There are 51 Economics and Finance students (21 males and 30 females) participated in the pre-industrial attachment survey. The mean of youth competitiveness is 3.83 out of 5. The indicators of "Adaptability to Future Changes", "Basic Skills Competence", "Psychological Features", "Regular Soft Power" and "Inherent Factor" were 3.54, 3.99, 3.82, 3.90 and 3.91 respectively. To compare with the full sample, the participants from Economics and Finance acquire a higher value in adaptability future changes, basic skills competence and inherent factor while a lower value in psychological features and regular soft power.

Figure 6: 5 indicators - Pre - Economics and Finance
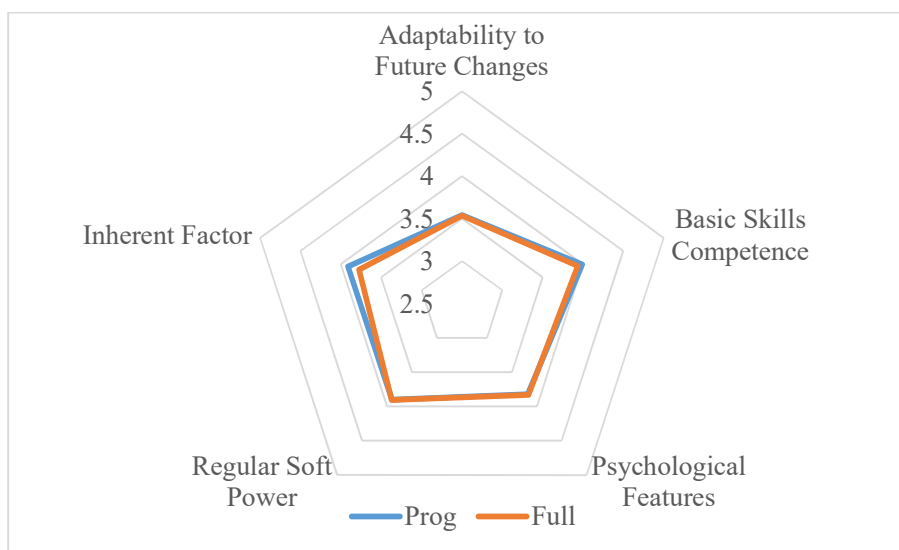
Note: Prog = values for the program; Full = values for the full sample

Table 6: 5 indicators and 16 elements - Pre - Economics and Finance

	Youth Competitiveness		Adaptability to Future Changes		Basic Skills Competence		Psychological Features		Regular Soft Power		Inherent Factor	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	3.83	3.80	3.54	3.53	3.99	3.93	3.82	3.83	3.90	3.91	3.91	3.78
SD	0.41	0.40	0.47	0.48	0.54	0.47	0.43	0.37	0.46	0.43	0.80	0.85

Q1	3.99	4.05	3.88	3.85	4.29	4.21	4.03	4.00	4.04	4.09	4.38	4.44
Q2	3.83	3.79	3.50	3.53	4.00	3.96	3.81	3.81	3.88	3.91	4.00	3.75
Q3	3.57	3.55	3.29	3.22	3.71	3.63	3.50	3.63	3.60	3.65	3.50	3.25

	Professional Competence		Technological Knowledge		Language Proficiency		International Perspectives		Multiple Knowledge	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	2.51	2.54	3.88	3.84	3.73	3.77	4.04	3.98	3.55	3.54
SD	1.02	0.91	0.58	0.60	0.45	0.49	0.62	0.62	0.51	0.54
Q1	3.17	3.00	4.25	4.25	4.00	4.00	4.50	4.25	4.00	3.75
Q2	2.00	2.33	4.00	3.75	3.75	3.75	4.00	4.00	3.50	3.50
Q3	2.00	2.00	3.50	3.50	3.50	3.50	3.75	3.75	3.25	3.25

	Living Ability		Communication Skills		Integrity		Resilience		Emotion Management	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	3.94	3.89	4.04	3.97	3.97	4.04	3.43	3.30	4.00	3.91
SD	0.59	0.53	0.64	0.57	0.59	0.50	0.68	0.58	0.50	0.53
Q1	4.25	4.25	4.33	4.33	4.38	4.25	3.75	3.75	4.00	4.00
Q2	4.00	4.00	4.00	4.00	4.00	4.00	3.50	3.25	4.00	4.00
Q3	3.50	3.50	3.67	3.67	3.63	3.75	3.00	3.00	3.75	3.75

	Civic Awareness		Working Experience		Thinking Skills		Team Spirit		Learning Ability		Family Resources	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	3.89	4.08	3.67	3.73	3.98	3.93	4.00	3.97	3.96	4.00	3.91	3.78
SD	0.58	0.50	0.73	0.62	0.58	0.54	0.58	0.51	0.56	0.54	0.80	0.85
Q1	4.25	4.50	4.00	4.00	4.20	4.20	4.20	4.20	4.25	4.25	4.38	4.44
Q2	3.75	4.00	3.75	3.75	4.00	4.00	4.00	4.00	4.00	4.00	4.00	3.75
Q3	3.50	3.75	3.25	3.50	3.80	3.60	3.50	3.60	3.50	3.56	3.50	3.25

Note: Q1, Q2, Q3 = 1st, 2nd, 3rd quartiles; Prog = values for the program; Full = values for the full sample; rounding to 2 decimal places

Social Work

There are 43 Social Work students (14 males and 29 females) participated in the pre-industrial attachment survey. The mean of youth competitiveness is 3.70 out of 5. The indicators of "Adaptability to Future Changes", "Basic Skills Competence", "Psychological Features", "Regular Soft Power" and "Inherent Factor" were 3.46, 3.91, 3.86, 3.87 and 3.41 respectively. To compare with the full sample, the participants from Social Work acquire a higher value in psychological features while a lower value in adaptability to future changes, basic skills competence, regular soft power and inherent factor.

Figure 7: 5 indicators - Pre - Social Work
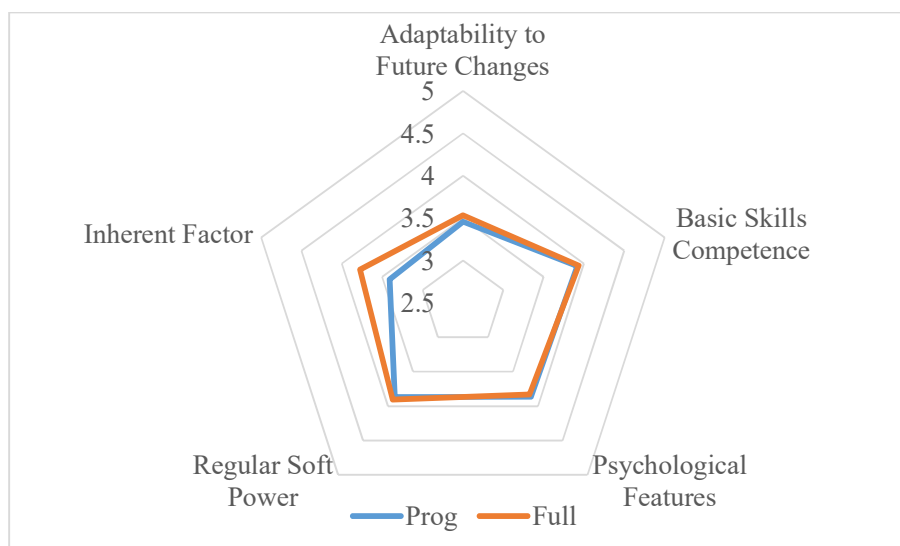
Note: Prog = values for the program; Full = values for the full sample

Table 7: 5 indicators and 16 elements - Pre - Social Work

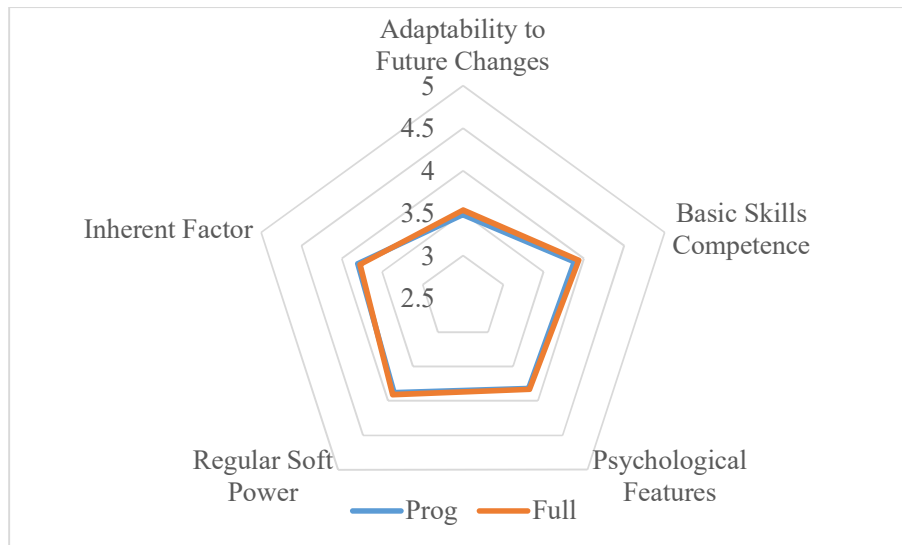|	Youth Competitiveness		Adaptability to Future Changes		Basic Skills Competence		Psychological Features		Regular Soft Power		Inherent Factor	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	3.70	3.80	3.46	3.53	3.91	3.93	3.86	3.83	3.87	3.91	3.41	3.78
SD	0.33	0.40	0.46	0.48	0.36	0.47	0.32	0.37	0.33	0.43	0.82	0.85
Q1	3.91	4.05	3.66	3.85	4.10	4.21	4.00	4.00	4.03	4.09	3.88	4.44
Q2	3.69	3.79	3.43	3.53	3.88	3.96	3.88	3.81	3.84	3.91	3.25	3.75
Q3	3.50	3.55	3.17	3.22	3.71	3.63	3.66	3.63	3.71	3.65	3.00	3.25
	Professional Competence		Technological Knowledge		Language Proficiency		International Perspectives		Multiple Knowledge			
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full		
Mean	2.63	2.54	3.65	3.84	3.70	3.77	3.87	3.98	3.45	3.54		
SD	0.86	0.91	0.61	0.60	0.47	0.49	0.60	0.62	0.58	0.54		
Q1	3.17	3.00	4.00	4.25	4.00	4.00	4.00	4.25	3.75	3.75		
Q2	2.67	2.33	3.75	3.75	3.75	3.75	4.00	4.00	3.50	3.50		
Q3	2.00	2.00	3.38	3.50	3.50	3.50	3.75	3.75	3.13	3.25		
	Living Ability		Communication Skills		Integrity		Resilience		Emotion Management			
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full		
Mean	3.95	3.89	3.88	3.97	4.09	4.04	3.14	3.30	3.92	3.91		
SD	0.44	0.53	0.47	0.57	0.34	0.50	0.58	0.58	0.48	0.53		
Q1	4.25	4.25	4.00	4.33	4.25	4.25	3.50	3.75	4.25	4.00		
Q2	3.75	4.00	4.00	4.00	4.00	4.00	3.25	3.25	4.00	4.00		
Q3	3.75	3.50	3.67	3.67	4.00	3.75	2.75	3.00	3.75	3.75		
	Civic Awareness		Working Experience		Thinking Skills		Team Spirit		Learning Ability		Family Resources	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	4.30	4.08	3.77	3.73	3.85	3.93	3.92	3.97	3.93	4.00	3.41	3.78
SD	0.39	0.50	0.57	0.62	0.44	0.54	0.41	0.51	0.35	0.54	0.82	0.85
Q1	4.50	4.50	4.00	4.00	4.00	4.20	4.10	4.20	4.13	4.25	3.88	4.44
Q2	4.25	4.00	3.75	3.75	4.00	4.00	4.00	4.00	4.00	4.00	3.25	3.75
Q3	4.00	3.75	3.38	3.50	3.60	3.60	3.70	3.60	3.75	3.56	3.00	3.25

Note: Q1, Q2, Q3 = 1ˢᵗ, 2ⁿᵈ, 3ʳᵈ quartiles; Prog = values for the program; Full = values for the full sample;

rounding to 2 decimal places

Sociology

There are 33 Sociology students (5 males and 28 females) participated in the pre-industrial attachment survey. The mean of youth competitiveness is 3.77 out of 5. The indicators of "Adaptability to Future Changes", "Basic Skills Competence", "Psychological Features", "Regular Soft Power" and "Inherent Factor" were 3.48, 3.88, 3.82, 3.88 and 3.80 respectively. To compare with the full sample, the participants from Sociology acquire a higher value in inherent factor while a lower value in adaptability to future changes, basic skills competence, psychological features and regular soft power.

Figure 8: 5 indicators - Pre - Sociology

Note: Prog = values for the program; Full = values for the full sample

Table 8: 5 indicators and 16 elements - Pre - Sociology

	Youth Competitiveness		Adaptability to Future Changes		Basic Skills Competence		Psychological Features		Regular Soft Power		Inherent Factor	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	3.77	3.80	3.48	3.53	3.88	3.93	3.82	3.83	3.88	3.91	3.80	3.78
SD	0.32	0.40	0.34	0.48	0.32	0.47	0.34	0.37	0.34	0.43	0.75	0.85
Q1	3.98	4.05	3.68	3.85	4.13	4.21	4.00	4.00	4.05	4.09	4.00	4.44
Q2	3.83	3.79	3.55	3.53	3.88	3.96	3.88	3.81	3.91	3.91	3.75	3.75
Q3	3.66	3.55	3.35	3.22	3.58	3.63	3.69	3.63	3.76	3.65	3.50	3.25
	Professional Competence		Technological Knowledge		Language Proficiency		International Perspectives		Multiple Knowledge			
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full		
Mean	2.34	2.54	3.94	3.84	3.67	3.77	3.94	3.98	3.52	3.54		
SD	0.72	0.91	0.53	0.60	0.42	0.49	0.44	0.62	0.37	0.54		
Q1	2.67	3.00	4.25	4.25	4.00	4.00	4.00	4.25	3.75	3.75		
Q2	2.33	2.33	3.75	3.75	3.75	3.75	4.00	4.00	3.50	3.50		
Q3	2.00	2.00	3.75	3.50	3.25	3.50	3.75	3.75	3.25	3.25		
	Living Ability		Communication Skills		Integrity		Resilience		Emotion Management			

	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	3.83	3.89	3.93	3.97	4.10	4.04	3.18	3.30	3.77	3.91
SD	0.40	0.53	0.41	0.57	0.46	0.50	0.60	0.58	0.60	0.53
Q1	4.00	4.25	4.00	4.33	4.50	4.25	3.50	3.75	4.00	4.00
Q2	3.75	4.00	4.00	4.00	4.00	4.00	3.25	3.25	4.00	4.00
Q3	3.50	3.50	3.67	3.67	3.75	3.75	2.75	3.00	3.50	3.75

	Civic Awareness		Working Experience		Thinking Skills		Team Spirit		Learning Ability		Family Resources	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	4.23	4.08	3.77	3.73	3.88	3.93	3.90	3.97	3.98	4.00	3.80	3.78
SD	0.39	0.50	0.48	0.62	0.46	0.54	0.46	0.51	0.54	0.54	0.75	0.85
Q1	4.50	4.50	4.00	4.00	4.00	4.20	4.00	4.20	4.25	4.25	4.00	4.44
Q2	4.25	4.00	4.00	3.75	4.00	4.00	4.00	4.00	4.00	4.00	3.75	3.75
Q3	4.00	3.75	3.50	3.50	3.80	3.60	3.60	3.60	3.50	3.56	3.50	3.25

Note: Q1, Q2, Q3 = 1st, 2nd, 3rd quartiles; Prog = values for the program; Full = values for the full sample; rounding to 2 decimal places

Chinese Language and Literature

English

Accounting

Law and Business

Psychology

There are 5 Chinese Language and Literature students, 9 English students, 7 Accounting students, 13 Law and Business students and 14 Psychology students participated in the pre-industrial attachment survey. Since there are relatively small sample from these programs, only a brief summary is shown below.

Table 9: 5 indicators and 16 elements - Pre - Others

	Youth Competitiveness	Adaptability to Future Changes	Basic Skills Competence	Psychological Features	Regular Soft Power	Inherent Factor
Full	3.80	3.53	3.93	3.83	3.91	3.78
CHI	3.66	3.51	3.73	3.78	3.73	3.55
ENG	3.63	3.31	3.78	3.64	3.82	3.61
ACC	3.77	3.58	3.79	3.86	3.86	3.75
L&B	4.12	3.74	4.27	4.14	4.22	4.25
PSY	3.61	3.43	3.84	3.71	3.75	3.30
	Professional Competence	Technological Knowledge	Language Proficiency	International Perspectives	Multiple Knowledge	
Full	2.54	3.84	3.77	3.98	3.54	
CHI	2.87	3.60	3.85	3.80	3.45	
ENG	2.11	3.61	3.53	3.97	3.33	
ACC	2.81	3.82	3.82	3.82	3.61	
L&B	2.74	4.04	3.83	4.33	3.76	
PSY	2.21	3.95	3.70	3.84	3.45	
	Living Ability	Communication Skills	Integrity	Resilience	Emotion Management	
Full	3.89	3.97	4.04	3.30	3.91	
CHI	3.60	3.87	4.05	3.30	3.90	
ENG	3.75	3.81	4.03	3.00	3.64	
ACC	3.57	4.00	4.14	3.43	3.89	

L&B	4.33	4.21	4.40	3.60	4.15
PSY	3.80	3.88	4.00	3.00	3.68
	Civic Awareness	Working Experience	Thinking Skills	Team Spirit	Learning Ability	Family Resources
Full	4.08	3.73	3.93	3.97	4.00	3.78
CHI	3.85	3.70	3.84	3.68	3.70	3.55
ENG	3.89	3.67	3.78	3.84	4.00	3.61
ACC	3.96	3.54	3.97	3.89	4.04	3.75
L&B	4.42	4.02	4.22	4.29	4.35	4.25
PSY	4.16	3.46	3.70	3.93	3.91	3.30

Note: Full = full sample; CHI = Chinese Language and Literature; ENG = English; ACC = Accounting; L&B = Law and Business; PSY = Psychology; all values are mean scores; rounding to 2 decimal places

Post-industrial attachment survey

Full sample

There are 165 students (58 males and 107 females) from 9 programs (i.e. Chinese Language and Literature, English, Journalism and Communication, Accounting, Business Administration, Economics and Finance, Law and Business, Social Work, and Sociology) participated in the post-industrial attachment survey. The mean of youth competitiveness is 3.80 out of 5. The indicators of "Adaptability to Future Changes", "Basic Skills Competence", "Psychological Features", "Regular Soft Power" and "Inherent Factor" were 3.53, 3.99, 3.87, 3.99 and 3.64 respectively.

Figure 9: 5 indicators - Post - Full sample
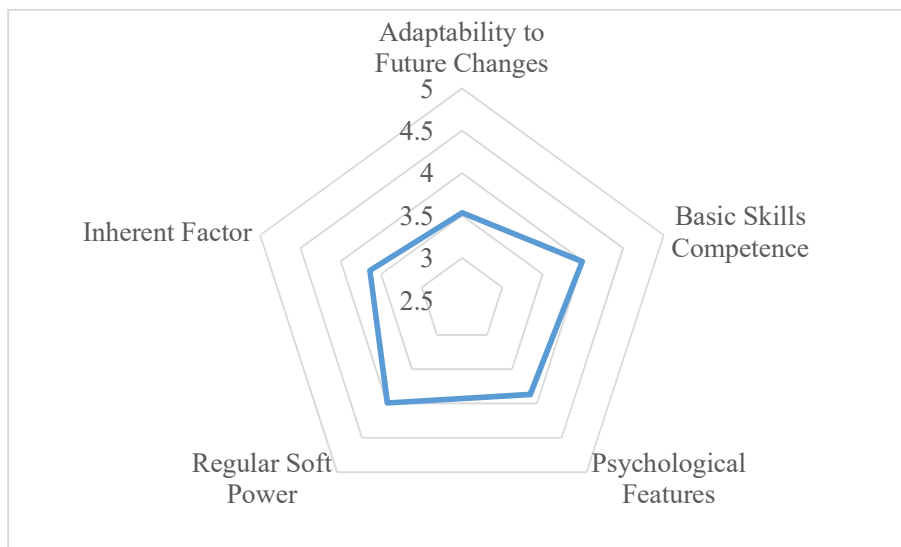
Table 10: 5 indicators and 16 elements - Post - Full sample

	Youth Competitiveness	Adaptability to Future Changes	Basic Skills Competence	Psychological Features	Regular Soft Power	Inherent Factor
Mean	3.80	3.53	3.99	3.87	3.99	3.64
SD	0.38	0.40	0.47	0.38	0.42	0.85
Q1	4.03	3.80	4.25	4.06	4.24	4.00
Q2	3.79	3.55	4.00	3.88	3.96	3.75
Q3	3.54	3.25	3.71	3.63	3.73	3.00

	Professional Competence	Technological Knowledge	Language Proficiency	International Perspectives	Multiple Knowledge
Mean	2.50	3.83	3.74	4.06	3.54
SD	0.95	0.48	0.52	0.58	0.45
Q1	3.00	4.25	4.00	4.50	3.75
Q2	2.33	3.75	3.75	4.00	3.50
Q3	2.00	3.50	3.50	3.75	3.25
	Living Ability	Communication Skills	Integrity	Resilience	Emotion Management
Mean	3.96	4.02	4.08	3.32	3.95
SD	0.52	0.59	0.54	0.61	0.52
Q1	4.25	4.33	4.50	3.75	4.25
Q2	4.00	4.00	4.00	3.50	4.00
Q3	3.50	3.67	3.75	3.00	3.75

	Civic Awareness	Working Experience	Thinking Skills	Team Spirit	Learning Ability	Family Resources
Mean	4.13	3.87	4.03	4.02	4.05	3.64
SD	0.53	0.58	0.51	0.51	0.59	0.85
Q1	4.50	4.25	4.20	4.40	4.25	4.00
Q2	4.00	4.00	4.00	4.00	4.00	3.75
Q3	4.00	3.50	3.80	3.80	3.75	3.00

Note: Q1, Q2, Q3 = 1st, 2nd, 3rd quartiles; rounding to 2 decimal places

Business Administration

There are 43 Business Administration students (16 males and 27 females) participated in the post-industrial attachment survey. The mean of youth competitiveness is 3.96 out of 5. The indicators of "Adaptability to Future Changes", "Basic Skills Competence", "Psychological Features", "Regular Soft Power" and "Inherent Factor" were 3.63, 4.12, 3.87, 4.06 and 4.12 respectively. To compare with the full sample, the participants from Business Administration acquire a higher value in adaptability to future changes, basic skills competence, regular soft power and inherent factor and the same value in psychological features.

Figure 10: 5 indicators - Post - Business Administration
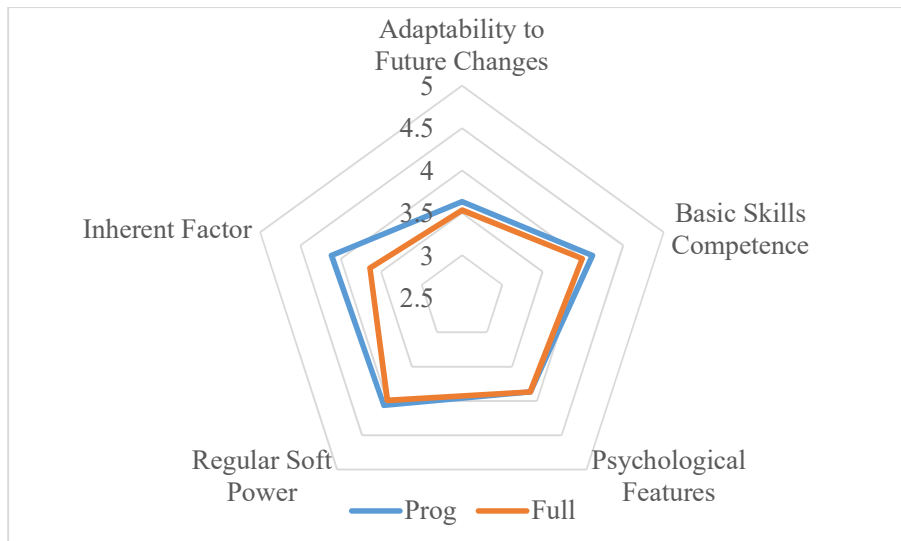
Note: Prog = values for the program; Full = values for the full sample

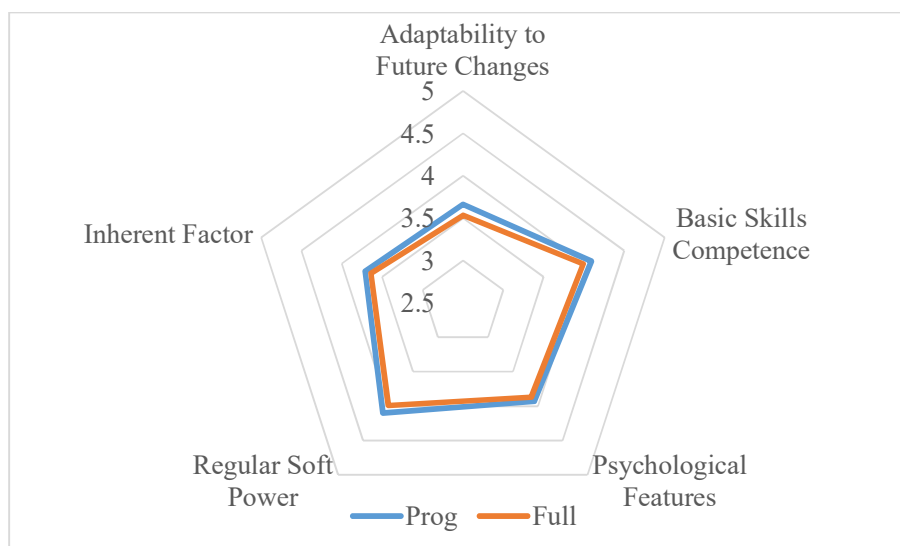Table 11: 5 indicators and 16 elements - Post - Business Administration

	Youth Competitiveness		Adaptability to Future Changes		Basic Skills Competence		Psychological Features		Regular Soft Power		Inherent Factor	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	3.96	3.80	3.63	3.53	4.12	3.99	3.87	3.87	4.06	3.99	4.12	3.64
SD	0.30	0.38	0.35	0.40	0.35	0.47	0.41	0.38	0.34	0.42	0.69	0.85
Q1	4.17	4.03	3.88	3.80	4.35	4.25	4.00	4.06	4.32	4.24	4.75	4.00
Q2	4.01	3.79	3.70	3.55	4.17	4.00	3.94	3.88	4.03	3.96	4.00	3.75
Q3	3.79	3.54	3.38	3.25	3.88	3.71	3.78	3.63	3.91	3.73	3.88	3.00

	Professional Competence		Technological Knowledge		Language Proficiency		International Perspectives		Multiple Knowledge	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	2.50	2.50	3.88	3.83	3.93	3.74	4.21	4.06	3.66	3.54
SD	0.91	0.95	0.54	0.48	0.50	0.52	0.48	0.58	0.44	0.45
Q1	3.00	3.00	4.38	4.25	4.25	4.00	4.63	4.50	4.00	3.75
Q2	2.33	2.33	3.75	3.75	4.00	3.75	4.00	4.00	3.75	3.50
Q3	2.00	2.00	3.50	3.50	3.75	3.50	4.00	3.75	3.50	3.25

	Living Ability		Communication Skills		Integrity		Resilience		Emotion Management	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	4.09	3.96	4.14	4.02	4.05	4.08	3.38	3.32	4.01	3.95
SD	0.39	0.52	0.53	0.59	0.63	0.54	0.53	0.61	0.51	0.52
Q1	4.25	4.25	4.67	4.33	4.50	4.50	3.75	3.75	4.25	4.25
Q2	4.00	4.00	4.00	4.00	4.00	4.00	3.50	3.50	4.00	4.00
Q3	3.75	3.50	4.00	3.67	4.00	3.75	3.25	3.00	4.00	3.75

	Civic Awareness		Working Experience		Thinking Skills		Team Spirit		Learning Ability		Family Resources	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	4.04	4.13	3.82	3.87	4.19	4.03	4.15	4.02	4.10	4.05	4.12	3.64
SD	0.61	0.53	0.53	0.58	0.41	0.51	0.49	0.51	0.53	0.59	0.69	0.85
Q1	4.25	4.50	4.00	4.25	4.40	4.20	4.50	4.40	4.25	4.25	4.75	4.00
Q2	4.00	4.00	3.75	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	3.75
Q3	4.00	4.00	3.50	3.50	4.00	3.80	4.00	3.80	4.00	3.75	3.88	3.00

Note: Q1, Q2, Q3 = 1st, 2nd, 3rd quartiles; Prog = values for the program; Full = values for the full sample; rounding to 2 decimal places

Economics and Finance

There are 26 Economics and Finance students (11 males and 15 females) participated in the post-industrial attachment survey. The mean of youth competitiveness is 3.90 out of 5. The indicators of "Adaptability to Future Changes", "Basic Skills Competence", "Psychological Features", "Regular Soft Power" and "Inherent Factor" were 3.66, 4.09, 3.93, 4.10 and 3.71 respectively. To compare with the full sample, the participants from Economics and Finance acquire a higher value in all the indicators.

Figure 11: 5 indicators - Post - Economics and Finance

Note: Prog = values for the program; Full = values for the full sample

Table 12: 5 indicators and 16 elements - Post - Economics and Finance

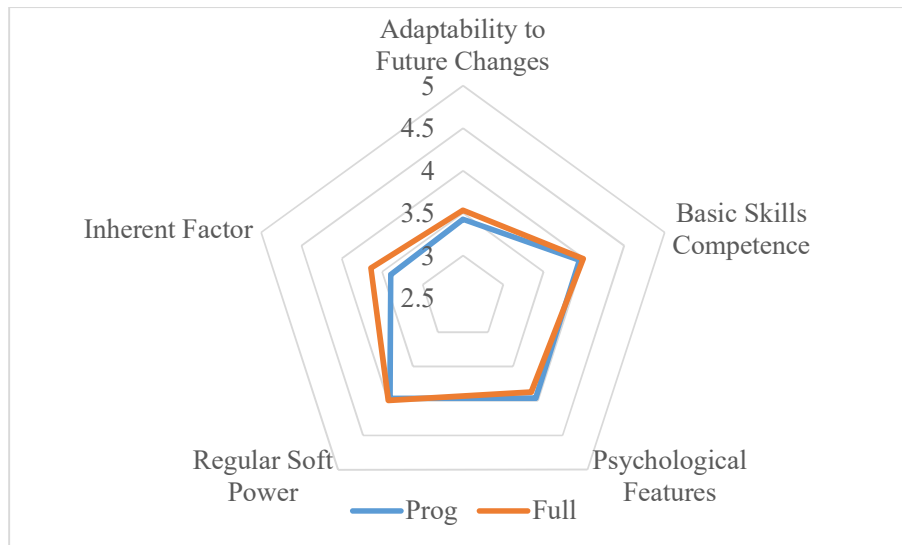|	Youth Competitiveness		Adaptability to Future Changes		Basic Skills Competence		Psychological Features		Regular Soft Power		Inherent Factor	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	3.90	3.80	3.66	3.53	4.09	3.99	3.93	3.87	4.10	3.99	3.71	3.64
SD	0.45	0.38	0.40	0.40	0.60	0.47	0.35	0.38	0.51	0.42	0.89	0.85
Q1	4.21	4.03	3.88	3.80	4.32	4.25	4.11	4.06	4.61	4.24	4.19	4.00
Q2	3.88	3.79	3.68	3.55	4.13	4.00	3.94	3.88	4.04	3.96	3.75	3.75
Q3	3.57	3.54	3.40	3.25	3.84	3.71	3.66	3.63	3.68	3.73	3.00	3.00
	Professional Competence		Technological Knowledge		Language Proficiency		International Perspectives		Multiple Knowledge			
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full		
Mean	2.63	2.50	3.88	3.83	3.86	3.74	4.22	4.06	3.72	3.54		
SD	0.99	0.95	0.48	0.48	0.41	0.52	0.58	0.58	0.41	0.45		
Q1	3.00	3.00	4.25	4.25	4.00	4.00	4.69	4.50	4.00	3.75		
Q2	2.83	2.33	3.75	3.75	3.75	3.75	4.00	4.00	3.75	3.50		
Q3	2.00	2.00	3.50	3.50	3.50	3.50	3.81	3.75	3.50	3.25		
	Living Ability		Communication Skills		Integrity		Resilience		Emotion Management			
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full		
Mean	4.07	3.96	4.12	4.02	4.17	4.08	3.48	3.32	3.96	3.95		
SD	0.65	0.52	0.62	0.59	0.50	0.54	0.65	0.61	0.47	0.52		
Q1	4.50	4.25	4.58	4.33	4.50	4.50	3.75	3.75	4.00	4.25		
Q2	4.00	4.00	4.00	4.00	4.00	4.00	3.50	3.50	4.00	4.00		
Q3	3.75	3.50	4.00	3.67	3.75	3.75	3.25	3.00	3.75	3.75		
	Civic Awareness		Working Experience		Thinking Skills		Team Spirit		Learning Ability		Family Resources	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	4.12	4.13	4.03	3.87	4.13	4.03	4.08	4.02	4.17	4.05	3.71	3.64
SD	0.48	0.53	0.64	0.58	0.59	0.51	0.64	0.51	0.60	0.59	0.89	0.85
Q1	4.50	4.50	4.50	4.25	4.60	4.20	4.60	4.40	4.69	4.25	4.19	4.00
Q2	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	3.75	3.75
Q3	3.75	4.00	3.50	3.50	4.00	3.80	3.60	3.80	4.00	3.75	3.00	3.00

Note: Q1, Q2, Q3 = 1st, 2nd, 3rd quartiles; Prog = values for the program; Full = values for the full sample;

rounding to 2 decimal places

Social Work

There are 35 Social Work students (8 males and 27 females) participated in the post-industrial attachment survey. The mean of youth competitiveness is 3.74 out of 5. The indicators of "Adaptability to Future Changes", "Basic Skills Competence", "Psychological Features", "Regular Soft Power" and "Inherent Factor" were 3.43, 3.94, 3.96, 3.96 and 3.39 respectively. To compare with the full sample, the participants of Social Work acquire a higher value in psychological features while a lower value in adaptability to future changes, basic skills competence, regular soft power and inherent factor.

Figure 12: 5 indicators - Post - Social Work

Note: Prog = values for the program; Full = values for the full sample

Table 13: 5 indicators and 16 elements - Post - Social Work

	Youth Competitiveness		Adaptability to Future Changes		Basic Skills Competence		Psychological Features		Regular Soft Power		Inherent Factor	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	3.74	3.80	3.43	3.53	3.94	3.99	3.96	3.87	3.96	3.99	3.39	3.64
SD	0.20	0.38	0.37	0.40	0.37	0.47	0.28	0.38	0.29	0.42	0.65	0.85
Q1	3.93	4.03	3.68	3.80	4.13	4.25	4.06	4.06	4.16	4.24	4.00	4.00
Q2	3.72	3.79	3.42	3.55	4.00	4.00	4.00	3.88	3.90	3.96	3.25	3.75
Q3	3.60	3.54	3.10	3.25	3.73	3.71	3.81	3.63	3.77	3.73	2.88	3.00
	Professional Competence		Technological Knowledge		Language Proficiency		International Perspectives		Multiple Knowledge			
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full		
Mean	2.51	2.50	3.70	3.83	3.58	3.74	3.88	4.06	3.46	3.54		
SD	1.03	0.95	0.39	0.48	0.40	0.52	0.49	0.58	0.34	0.45		
Q1	3.00	3.00	4.00	4.25	3.75	4.00	4.00	4.50	3.75	3.75		
Q2	2.33	2.33	3.75	3.75	3.50	3.75	4.00	4.00	3.50	3.50		
Q3	1.83	2.00	3.50	3.50	3.25	3.50	3.50	3.75	3.25	3.25		
	Living Ability		Communication Skills		Integrity		Resilience		Emotion Management			

	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	3.86	3.96	4.03	4.02	4.08	4.08	3.44	3.32	4.05	3.95
SD	0.45	0.52	0.54	0.59	0.33	0.54	0.56	0.61	0.41	0.52
Q1	4.00	4.25	4.33	4.33	4.25	4.50	4.00	3.75	4.25	4.25
Q2	3.75	4.00	4.00	4.00	4.00	4.00	3.50	3.50	4.00	4.00
Q3	3.50	3.50	3.83	3.67	4.00	3.75	3.00	3.00	4.00	3.75

	Civic Awareness		Working Experience		Thinking Skills		Team Spirit		Learning Ability		Family Resources	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	4.27	4.13	3.94	3.87	3.89	4.03	3.98	4.02	4.04	4.05	3.39	3.64
SD	0.41	0.53	0.47	0.58	0.43	0.51	0.38	0.51	0.51	0.59	0.65	0.85
Q1	4.50	4.50	4.25	4.25	4.00	4.20	4.20	4.40	4.25	4.25	4.00	4.00
Q2	4.25	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	3.25	3.75
Q3	4.00	4.00	3.75	3.50	3.80	3.80	3.80	3.80	3.75	3.75	2.88	3.00

Note: Q1, Q2, Q3 = 1st, 2nd, 3rd quartiles; Prog = values for the program; Full = values for the full sample; rounding to 2 decimal places

Sociology

There are 36 Sociology students (13 males and 23 females) participated in the post-industrial attachment survey. The mean of youth competitiveness is 3.55 out of 5. The indicators of "Adaptability to Future Changes", "Basic Skills Competence", "Psychological Features", "Regular Soft Power" and "Inherent Factor" were 3.35, 3.74, 3.69, 3.78 and 3.21 respectively. To compare with the full sample, the participants of Sociology acquire a lower value in all the indicators.

Figure 13: 5 indicators - Post - Sociology
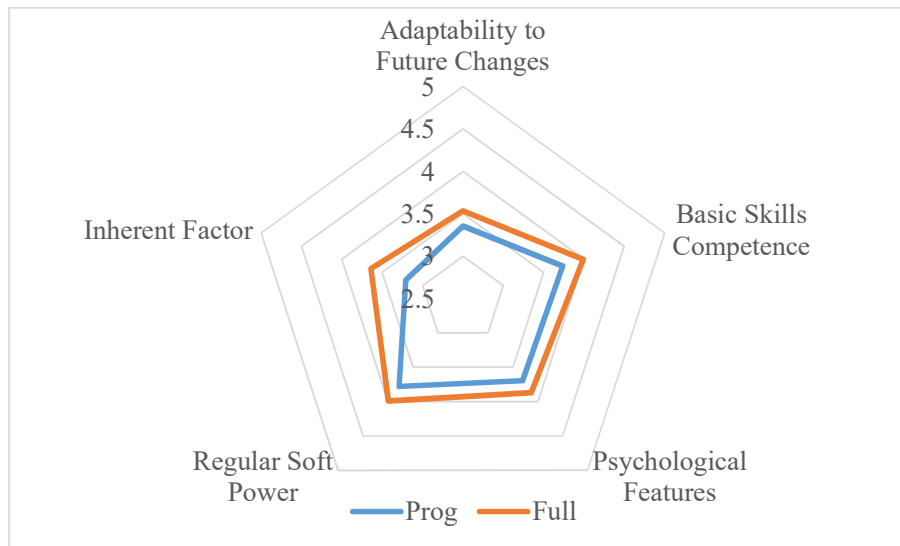
Note: Prog = values for the program; Full = values for the full sample

Table 14: 5 indicators and 16 elements - Post - Sociology

	Youth Competitiveness		Adaptability to Future Changes		Basic Skills Competence		Psychological Features		Regular Soft Power		Inherent Factor	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	3.55	3.80	3.35	3.53	3.74	3.99	3.69	3.87	3.78	3.99	3.21	3.64

SD	0.38	0.38	0.43	0.40	0.41	0.47	0.37	0.38	0.46	0.42	0.89	0.85
Q1	3.72	4.03	3.52	3.80	3.93	4.25	3.89	4.06	4.02	4.24	4.00	4.00
Q2	3.51	3.79	3.35	3.55	3.75	4.00	3.69	3.88	3.73	3.96	3.25	3.75
Q3	3.33	3.54	3.11	3.25	3.50	3.71	3.55	3.63	3.58	3.73	2.69	3.00

	Professional Competence		Technological Knowledge		Language Proficiency		International Perspectives		Multiple Knowledge	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	2.36	2.50	3.81	3.83	3.53	3.74	3.80	4.06	3.27	3.54
SD	0.93	0.95	0.50	0.48	0.59	0.52	0.65	0.58	0.47	0.45
Q1	3.00	3.00	4.25	4.25	3.75	4.00	4.25	4.50	3.50	3.75
Q2	2.17	2.33	3.75	3.75	3.50	3.75	4.00	4.00	3.25	3.50
Q3	1.67	2.00	3.50	3.50	3.19	3.50	3.50	3.75	3.00	3.25

	Living Ability		Communication Skills		Integrity		Resilience		Emotion Management	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	3.75	3.96	3.72	4.02	3.99	4.08	2.97	3.32	3.68	3.95
SD	0.51	0.52	0.58	0.59	0.49	0.54	0.62	0.61	0.61	0.52
Q1	4.06	4.25	4.00	4.33	4.25	4.50	3.50	3.75	4.00	4.25
Q2	3.63	4.00	3.67	4.00	4.00	4.00	2.88	3.50	3.75	4.00
Q3	3.50	3.50	3.33	3.67	3.75	3.75	2.50	3.00	3.44	3.75

	Civic Awareness		Working Experience		Thinking Skills		Team Spirit		Learning Ability		Family Resources	
	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full	Prog	Full
Mean	4.14	4.13	3.69	3.87	3.84	4.03	3.81	4.02	3.78	4.05	3.21	3.64
SD	0.52	0.53	0.74	0.58	0.51	0.51	0.49	0.51	0.72	0.59	0.89	0.85
Q1	4.56	4.50	4.25	4.25	4.05	4.20	4.00	4.40	4.00	4.25	4.00	4.00
Q2	4.00	4.00	3.75	4.00	3.80	4.00	3.80	4.00	3.75	4.00	3.25	3.75
Q3	3.75	4.00	3.25	3.50	3.40	3.80	3.40	3.80	3.50	3.75	2.69	3.00

Note: Q1, Q2, Q3 = 1st, 2nd, 3rd quartiles; Prog = values for the program; Full = values for the full sample; rounding to 2 decimal places

Chinese Language and Literature

English

Journalism and Communication

Accounting

Law and Business

There are 3 Chinese Language and Literature students, 1 English student, 1 Journalism and Communication student, 6 Accounting students and 14 Law and Business students participated in the pre-industrial attachment survey. Since there are relatively small sample from these programs, only a brief summary is shown.

Table 15: 5 indicators and 16 elements - Post - Others

	Youth Competitiveness	Adaptability to Future Changes	Basic Skills Competence	Psychological Features	Regular Soft Power	Inherent Factor
Full	3.80	3.53	3.99	3.87	3.99	3.64
CHI	3.51	3.28	3.82	3.98	3.81	2.67
ENG	3.60	3.35	3.50	3.88	4.04	3.25
J&C	3.28	3.05	3.46	3.31	3.60	3.00
ACC	3.80	3.52	3.96	3.74	3.99	3.79
L&B	4.08	3.82	4.31	4.05	4.24	3.98

	Professional Competence	Technological Knowledge	Language Proficiency	International Perspectives	Multiple Knowledge
Full	2.50	3.83	3.74	4.06	3.54
CHI	2.00	3.50	3.75	3.75	3.42
ENG	3.00	3.75	3.00	4.00	3.00
J&C	3.00	3.00	3.00	3.25	3.00
ACC	2.72	3.63	3.83	3.88	3.54
L&B	2.55	4.13	4.00	4.59	3.84
	Living Ability	Communication Skills	Integrity	Resilience	Emotion Management
Full	3.96	4.02	4.08	3.32	3.95
CHI	3.75	3.89	4.08	3.42	4.08
ENG	4.00	3.00	4.75	2.75	3.50
J&C	3.25	3.67	4.25	2.50	3.00
ACC	3.92	4.00	3.71	3.58	3.96
L&B	4.21	4.40	4.30	3.43	4.27
	Civic Awareness	Working Experience	Thinking Skills	Team Spirit	Learning Ability	Family Resources
Full	4.13	3.87	4.03	4.02	4.05	3.64
CHI	4.33	3.58	3.73	3.93	4.00	2.67
ENG	4.50	3.75	3.40	4.00	5.00	3.25
J&C	4.00	3.00	3.40	4.00	3.00	4.00
ACC	3.71	3.83	4.03	4.10	4.00	3.79
L&B	4.20	4.07	4.34	4.17	4.38	3.98

Note: Full = full sample; CHI = Chinese Language and Literature; ENG = English, J&C = Journalism and Communication; ACC = Accounting; L&B = Law and Business; all values are mean scores; rounding to 2 decimal places

Pre- and post-industrial attachment comparison

There are 75 students (30 males and 45 females) from 6 programs (i.e. 2 from Chinese Language and Literature, 1 from English, 6 from Accounting, 37 from Business Administration, 20 from Economics and Finance, and 9 from Sociology) completed both pre- and post-industrial attachment questionnaires in this reporting period. The mean of youth competitiveness increased from 3.77 to 3.84. The indicators of "Adaptability to Future Changes", "Basic Skills Competence", "Psychological Features", "Regular Soft Power" and "Inherent Factor" changed 0.05, 0.13, 0.02, 0.10 and 0.03 respectively. The largest increase was found in basic skills competence. The results indicated that participation in the industrial attachment courses would have positive influence on youth competitiveness.

Figure 14: 5 indicators - Pre&Post - Full sample
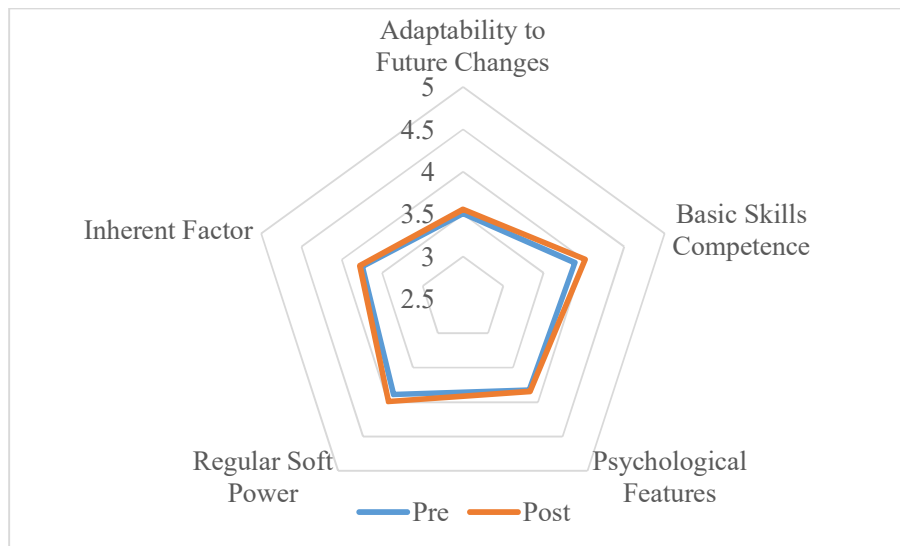
Note: Pre = mean values for Pre-industrial attachment; Post = mean values for Post-industrial attachment

Table 16: 5 indicators and 16 elements - Pre&Post - Full sample

	Youth Competitiveness	Adaptability to Future Changes	Basic Skills Competence	Psychological Features	Regular Soft Power	Inherent Factor
Pre	3.77	3.51	3.89	3.83	3.89	3.75
Post	3.84	3.56	4.01	3.85	3.99	3.78
Change	0.07	0.05	0.13	0.02	0.10	0.03
	Professional Competence	Technological Knowledge	Language Proficiency		International Perspectives	Multiple Knowledge
Pre	2.53	3.81	3.75		3.96	3.49
Post	2.50	3.82	3.78		4.11	3.59
Change	-0.03	0.01	0.03		0.15	0.09
	Living Ability	Communication Skills	Integrity	Resilience		Emotion Management
Pre	3.84	3.93	4.08	3.30		3.87
Post	4.00	4.03	4.03	3.31		3.98
Change	0.16	0.09	-0.04	0.01		0.12
	Civic Awareness	Working Experience	Thinking Skills	Team Spirit	Learning Ability	Family Resources
Pre	4.06	3.70	3.93	3.93	4.00	3.75
Post	4.06	3.78	4.10	4.05	4.04	3.78
Change	0.00	0.09	0.16	0.11	0.04	0.03

Note: Pre = mean values for Pre-industrial attachment; Post = mean values for Post-industrial attachment;

Change = mean values for Post-industrial attachment – mean values for Pre-industrial attachment; rounding to 2 decimal places

Table 13: 5 indicators and 16 elements - Pre&Post - Programs

	Youth Competitiveness	Adaptability to Future Changes	Basic Skills Competence	Psychological Features	Regular Soft Power	Inherent Factor
CHI*	-0.07	-0.09	-0.10	-0.03	-0.11	0.00
ENG*	0.26	0.20	0.17	0.25	0.16	0.50
ACC*	0.04	-0.10	0.22	-0.10	0.15	0.04
BUS	0.09	0.10	0.16	0.01	0.10	0.09

E&F	0.13	0.17	0.11	0.12	0.21	0.06
SOC*	-0.17	-0.29	0.00	-0.08	-0.11	-0.36

	Professional Competence	Technological Knowledge	Language Proficiency	International Perspectives	Multiple Knowledge
CHI*	-0.33	0.00	-0.25	0.00	0.13
ENG*	1.00	-0.25	-0.25	0.75	-0.25
ACC*	-0.28	-0.25	0.00	0.13	-0.08
BUS	-0.08	0.12	0.05	0.24	0.15
E&F	0.30	0.09	0.11	0.16	0.18
SOC*	-0.44	-0.42	-0.11	-0.28	-0.19

	Living Ability	Communication Skills	Integrity	Resilience	Emotion Management
CHI*	0.13	-0.33	-0.25	-0.25	0.25
ENG*	0.00	0.33	0.00	0.50	0.50
ACC*	0.38	0.06	-0.42	0.21	0.08
BUS	0.13	0.20	-0.07	0.01	0.11
E&F	0.15	0.07	0.24	-0.07	0.06
SOC*	0.19	-0.19	-0.28	0.03	0.19

	Civic Awareness	Working Experience	Thinking Skills	Team Spirit	Learning Ability	Family Resources
CHI*	0.13	-0.25	-0.20	0.00	0.00	0.00
ENG*	0.00	0.00	0.40	0.00	0.25	0.50
ACC*	-0.29	0.33	0.07	0.23	-0.04	0.04
BUS	-0.03	0.05	0.21	0.14	0.00	0.09
E&F	0.25	0.25	0.20	0.15	0.24	0.06
SOC*	-0.28	-0.19	0.02	-0.11	-0.17	-0.36

Note: CHI = Chinese Language and Literature; ENG = English, ACC = Accounting; BUS = Business Administration; E&F = Economics and Finance; SOC = Sociology; all values are changes; rounding to 2 decimal places; * programs with relatively small sample