

Fig.3.Comparison chart of key course teaching linksbefore adjustment and after adjustment

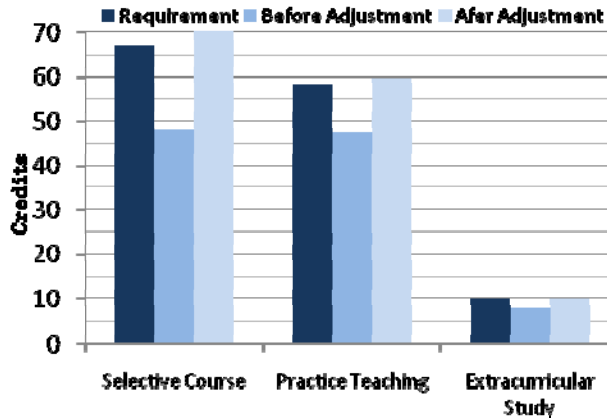


Fig.4. Key course teaching links before adjustment and after adjustment

Conclusion

This paper builds the GQM model for the professional training program of PETOE based on the national goal, the university goal and the professional goal of PETOE, and presents the metric model for formulating and evaluating the professional training program of PETOE. By the quantitative metric and analysis of the metric model, the method of adjusting and optimizing the professional training program of PETOE is proposed. The application in the software engineering major of PETOE shows that the GQM model for the professional training program of PETOE designed in this paper can effectively direct the process of developing, improving and optimizing the professional training program. The further work will focus on another key issue of PETOE, the training program of university-enterprise union training.

References

- [1] LIN Jian, On the Professional Training Program of “A Plan for Educating and Training Outstanding Engineers”, Tsinghua Journal of Education, vol.32, no.2, pp.47-55, 2011.(in Chinese)
- [2] LIN Jian, Restudy on the Professional Training Program of“A Plan for Educating and Training Outstanding Engineers”, Researches in Higher Education of Engineering, no.4, pp.10-17,57, 2011. (in Chinese)
- [3] LIN Jian, The Development of General Standards for “A Plan for Educating and Training Outstanding Engineers”, Researches in Higher Education of Engineering, no.4, pp.21-29, 2010. (in Chinese)
- [4] Basili,VR.,and Weiss,D., A Methodology for Collecting Valid Software Engineering Data, IEEE Transactions on Software Engineering, vol.SE-10, no.6, pp.728-738,1988.
- [5] Li Dongsheng, Li Wenjun, and Mao Chen. On the In depth Cooperation Model in Engineering Education betweenUniversities and Enterprise, Researches in Higher Education of Engineering, no.3, pp.88-92, 2011. (in Chinese)
- [6] Shengbing Ren, and Zhigang Hu, Teaching Reform and Practice on Fostering Engineering Capability for the Undergraduate Student, Information and Management Engineering, 2010.