

## **PROGRAMS**

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### **Bachelor of Secondary Education major in Mathematics**

Academic Year 2018-2019

Reference CMOs: CMO No. 20, s. 2013, CMO No. 75, s. 2017 and CMO No. 4, s. 2018

### **Program Objectives**

The BSEd program aims to produce secondary teachers who have the ability to:

1. demonstrate comprehensive and up-to-date knowledge in a specific field of specialization in the secondary education curriculum by engaging in scholarly and research activities and by maximizing opportunities for lifelong learning;
2. provide meaningful learning experiences to secondary students by using emerging educational technologies for quality and effective teaching and by creating an environment that encourages positive social interaction, active engagement and self-motivation;
3. demonstrate competence in teaching and testing through the design, adoption and utilization of teaching methods, instructional materials, and assessment tools that are appropriate to the cognitive, affective and psychomotor development of secondary learners;
4. observe the professional code of ethics for teachers and internalize the importance of continuous professional development, as well as the need to work cooperatively and harmoniously with all members of the academic community; and
5. establish sustainable partnerships and linkages with the professional community and provide assistance to the underserved, depressed, illiterate and less skilled members of society through extension activities and community service.

### **Program Outcomes**

The graduates of the program have the ability to:

- a. exhibit competence in mathematical concepts and procedures;
- b. exhibit proficiency in relating mathematics to other curricular areas;
- c. manifest meaningful and comprehensive pedagogical content knowledge (pck) of mathematics;
- d. demonstrate competence in designing, constructing and utilizing different forms of assessment in mathematics;
- e. demonstrate proficiency in problem-solving by solving and creating routine and non-routine problems with different levels of complexity;
- f. use effectively appropriate approaches, methods, and techniques in teaching mathematics including technological tools; and
- g. appreciate mathematics as an opportunity for creative work, moments of enlightenment, discovery and gaining insights of the world.