

APPROVED BY

Head of Department

Tichonov V.V. (full name)

26“ 06” 2014

MODULE (COURSE) DESCRIPTION

1. Name of module (course) **Training in English**

2. Notation (code) in curricula **ГCЭИ.Б**

3. Field (specialty) (primary curriculum)

241000 Energy- and resource saving processes in chemical technology, petrochemistry and biotechnology

4. Training profile (specialty, program)

**The main processes of chemical production and chemical cybernetics
Machines and apparatuses of chemical productions**

5. Qualification (degree) **Bachelor**

6. Supporting subdivision

Department of General chemical technology, Institute of natural resources

7. Senior teacher **Dolinina A.S.** , tel. 8 (3822) 60-62-41 (1414) E-mail **asa87@tpu.ru**

9. Module (course) mastering results

- 1) To understand oral (monologue and dialogue) speech within the subject.
- 2) To do oral reports, reports, presentations on professional topics.
- 3) To annotate, abstracted and translated into the native language of literature specialty.
- 4) Writing articles, reports, theses, abstracts at scientific and professional topics.

10. Module (course) contents (перечень основных тем (разделов))

5. semester

1. Processes and devices of chemical technology – 8 hours.
2. Professional communication skills – 24 hours.

6. semester

1. Processes and devices of chemical technology – 8 hours.
2. Organization of scientific and technological activities – 24 hours.

7. semester

1. Machinery and equipment of chemical, refining and petrochemical industries – 8 hours.
2. Professional terms and definitions – 24 hours.

8. semester

1. Machinery and equipment of chemical, refining and petrochemical industries – 8 hours.
2. Calculation of the evaporator – 24 hours.

11. Year 3,4 semester 5,6,7,8 number of credits 8

12. Prerequisites «English language»

13. Corequisites

« Processes and devices of chemical technology»

«Machines and apparatuses of chemical, refining and petrochemical industries»

14. Type of attestation (examination, credit test)

Credit test

Author(s) **A.S. Dolinina**