

### 3. Educational program

#### 3.1. Profile of the educational program in the Subject Area 072 "Finance, Banking and Insurance and stock market"

| <b>1 - General information</b>   |  |
|--|--|
| <b>Full name of the institution of higher education and structural subdivision</b>   | State University of Trade and Economics<br>Faculty of Finance and Banking<br>Department of Finance   |
| <b>Degree of higher education and title of qualification in the original language</b>  | Academic Degree Bachelor<br>Subject Area "Finance, banking and insurance and stock market "  |
| <b>The official name of the educational program</b>  | Public Finance Management  |
| <b>Compliance with the standard of higher education of the Ministry of Education and Culture of Ukraine</b>  | Complies with the higher education standard of the Ministry of Education and Culture of Ukraine  |
| <b>Type of diploma and scope of educational program</b>  | Bachelor's diploma, single, 240 ECTS credits, term of study 3 years<br>10 months   |
| <b>Accreditation</b>   | Accredited (specialty), State Accreditation Commission of Ukraine, Ukraine, till 01.07.2024  |
| <b>Cycle / level</b>   | NRC of Ukraine - level 6, FQ-EHEA - first cycle, EQF-LLL - level 6   |
| <b>Prerequisites</b>   | Complete secondary education; initial level of higher education  |
| <b>Language(s) of teaching</b>   | Ukrainian  |
| <b>Term of the educational program</b>   | till 01.07.2024  |
| <b>Internet address of the permanent placement of the description of the educational program</b>   | <a href="https://knute.edu.ua/">https://knute.edu.ua/</a>  |
| <b>2 - The purpose of the educational program</b>  |  |
| To provide students with knowledge and skills that are based on well-known scientific results, focused on current issues of professional direction, within which a further professional and scientific career is possible. |  |
| <b>3 - Characteristics of the educational program</b>  |  |
| <b>Subject area</b>  | Object(s) of study and activity: organization, principles, mechanisms of functioning and development of financial systems.<br>Learning objectives: preparation specialists that will be able to solve complex specialized tasks and applied problems, which are characterized by complexity and certain uncertainty of conditions, in professional activities in the field of finance, banking and insurance and in the learning process.<br>The theoretical content consists of concepts, categories, theories and concepts of financial science, which determine the trends and regularities of the functioning and development of finance, banking and insurance. |

|  |  |
|--|--|
|  | <p>Methods, techniques and technologies of financial science and practice.</p> <p>Tools: modern information and analytical systems and standard, special and sector software products.</p>   |
| <b>Orientation of the educational program</b>                        | Educational and professional   |
| <b>The main focus of the educational program and specialization</b>  | <p>The program aims to develop competencies related to the management of financial relations in the field of public finance.</p> <p>Key words: public finance, tax system, financial relations, budget, fiscal policy.</p>   |
| <b>Peculiarities of the program</b>                                  | <p>Agreements on cooperation have been concluded between State University of Trade and Economics and the Ministry of Finance of Ukraine, the State Treasury Service of Ukraine, and the State Tax Service of Ukraine, what allows students to to have practical training at the Ministry of Finance of Ukraine, relevant financial and treasury territorial institutions, and improves the quality of specialist training.</p>   |
| <b>4 - Suitability of graduates for employment and further study</b> |  |
| <b>Suitability for employment</b>                                    | <p>Employment in state and local self-government bodies, public organizations, in the positions of specialists whose functional duties are characterized by special professional competencies.</p>   |
| <b>Further training</b>  | <p>Education according to the programs of the second (master's) level of higher education of the NRC of Ukraine - level 7</p>  |
| <b>5 - Teaching and assessment</b>                                   |  |
| <b>Teaching and studing</b>  | <p>Student-centered learning, self-study, problem-oriented learning, learning using elements of distance technology.</p>   |
| <b>Assessment</b>  | <p>It is carried out in accordance with:</p> <ul style="list-style-type: none"> <li>- "Regulations on organization of students' educational process";</li> <li>- "Regulations on evaluation of the results of students and postgraduates studing at SUTE"</li> </ul> <p>Assessment methods: written exams, assessment based on the results of practical training, certification exam.</p>  |
| <b>6 - Program competencies</b>                                      |  |
| <b>Integral competence</b>   | <p>The ability to solve complex specialized tasks and practical problems in the course of professional activity in the field of finance, banking and insurance in sphere of public finance or in the process of learning, which involves the application of certain methods and provisions of financial science and is characterized by the uncertainty of conditions and the need to take into account the complex requirements of implementation professional and educational activities.</p>  |
| <b>General competence (GC)</b>                                       | <p><b>GC01.</b> Ability to abstract thinking, analysis and synthesis.</p> <p><b>GC 02.</b> Ability to apply knowledge in practical situations.</p> <p><b>GC 03.</b> Ability to plan and manage time.</p> <p><b>GC 04.</b> Ability to communicate in a foreign language.</p> <p><b>GC 05.</b> Skills in the use of information and communication technologies.</p> <p><b>GC 06.</b> Ability to conduct research at the appropriate level.</p> <p><b>GC 07.</b> Ability to learn and master modern knowledge.</p> <p><b>GC 08.</b> Ability to search, process and analyze information from various sources.</p> <p><b>GC 09.</b> The ability to be critical and self-critical.</p> <p><b>GC 10.</b> Ability to work in a team.</p> <p><b>GC 11.</b> Ability to communicate with representatives of other professions of groups of different levels (with experts from other fields of knowledge / types of economic activity).</p> |

|   |   |
|---|---|
|   | <p><b>GC 12.</b> Ability to work autonomously.</p> <p><b>GC 13.</b> The ability to exercise their rights and responsibilities as a member of society, to realize the values of civil (free democratic) society and the need for its sustainable development, the rule of law, human and civil rights and freedoms in Ukraine.</p> <p><b>GC 14.</b> Ability to preserve and multiply moral, cultural, scientific values and achievements of society based on understanding the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, techniques and technologies. active recreation and a healthy lifestyle.</p>   |
| <p><b>Special (professional, subject) competencies (SC)</b></p> | <p><b>SC01.</b> Ability to study trends in economic development using the tools of macro- and microeconomic analysis, to assess current economic phenomena.</p> <p><b>SC02.</b> Understanding the features of the modern world and national financial systems, their structure.</p> <p><b>SC03.</b> Ability to diagnose the state of financial systems (public finances, including budget and tax systems, business finances, household finances, financial markets, banking system and insurance).</p> <p><b>SC04.</b> Ability to apply economic and mathematical methods and models to solve financial problems.</p> <p><b>SC05.</b> Ability to apply knowledge of legislation in the field of monetary, fiscal and financial market regulation.</p> <p><b>SC06.</b> Ability to use modern information and software to obtain and process data in the field of finance, banking and insurance.</p> <p><b>SC07.</b> Ability to compile and analyze financial statements.</p> <p><b>SC08.</b> Ability to perform control functions in the field of finance, banking and insurance.</p> <p><b>SC09.</b> Ability to communicate effectively.</p> <p><b>SC10.</b> Ability to identify, justify and take responsibility for professional decisions.</p> <p><b>SC11.</b> Ability to maintain the appropriate level of knowledge and constantly improve training.</p> <p><i>SC12. The ability to ensure the process of formation, effective use and optimal distribution of financial resources in conditions of its limitation.</i></p> <p><i>SC13. The ability to master and understand information about the current state and trends in the development of public finances.</i></p> |
| <p><b>7 - Program learning results</b></p>                      |   |
|   | <p><b>PL01.</b> Know and understand the economic categories, laws, causal and functional relationships that exist between processes and phenomena at different levels of economic systems.</p> <p><b>PL02.</b> Know and understand the theoretical foundations and principles of financial science, features of financial systems.</p> <p><b>PL 03.</b> To determine the features of the functioning of modern world and national financial systems and their structure.</p> <p><b>PL 04.</b> Know the mechanism of functioning of public finances, including budget and tax systems, business finance, household finance, financial markets, banking and insurance.</p> <p><b>PL05.</b> Have methodological tools for diagnosing the state of financial systems (public finance, including budget and tax systems, business finance, household finance, financial markets, banking system and insurance).</p>  |

|  |   |
|--|---|
|  | <p><b>PL06.</b> Apply economic and mathematical methods and models to solve financial problems.</p> <p><b>PL07.</b> Understand the principles, methods, tools of state and market regulation of activities in the field of finance, banking and insurance.</p> <p><b>PL08.</b> Apply specialized information systems, modern financial technologies and software products.</p> <p><b>PL09.</b> Form and analyze financial statements and correctly interpret the information.</p> <p><b>PL10.</b> Identify sources and understand the methodology for determining and methods of obtaining economic data, collect and analyze the necessary financial information, calculate indicators that characterize the state of financial systems.</p> <p><b>PL11.</b> Possess methodological tools for exercising control functions in the field of finance, banking and insurance.</p> <p><b>PL12.</b> Use professional reasoning to convey information, ideas, problems and ways to solve them to professionals and non-specialists in the financial field.</p> <p><b>PL13.</b> Have general scientific and special methods of studying financial processes.</p> <p><b>PL14.</b> Be able to think abstractly, apply analysis and synthesis to identify key characteristics of financial systems, as well as the behavior of their subjects.</p> <p><b>PL15.</b> Communicate orally and in writing in a foreign language in professional activities.</p> <p><b>PL16.</b> Apply the acquired theoretical knowledge to solve practical problems and meaningfully interpret the results.</p> <p><b>PL17.</b> Identify and plan opportunities for personal professional development.</p> <p><b>PL18.</b> Demonstrate basic skills of creative and critical thinking in research and professional communication.</p> <p><b>PL19.</b> Demonstrate skills of independent work, flexible thinking, openness to new knowledge.</p> <p><b>PL20.</b> Perform functional responsibilities in the group, offer sound financial solutions.</p> <p><b>PL21.</b> Understand the requirements for activities in the specialty, due to the need to ensure sustainable development of Ukraine, its strengthening as a democratic, social, legal state.</p> <p><b>PL22.</b> Know their rights and responsibilities as a member of society, understand the values of a free democratic society, the rule of law, human and civil rights and freedoms in Ukraine.</p> <p><b>PL23.</b> Identify achievements and identify the values of society based on understanding the place of the subject area in the general system of knowledge, use different types and forms of physical activity to lead a healthy lifestyle.</p> <p><i>PL24. Understanding of regularities in the field of state financial relations, enterprises and households, as well as the peculiarities of their application in the practice of financial activity.</i></p> <p><i>PL25. Understanding the essence and features of financial control in the field of treasury service of budgets, the ability to control compliance with budget legislation and responsibility for budget offenses.</i></p> |
| <b>8 - Resource support for program implementation</b> |   |
| <b>Staffing</b>  | The implementation of the educational program is provided by teachers who have the scientific degrees of PhD and doctor of  |

|   |  |
|---|--|
|   | sciences.  |
| <b>Material and technical support</b>                     | The use of computer and specialized laboratories of SUTE   |
| <b>Information and educational and methodical support</b> | The implementation of the educational program is carried out in the presence of full provision of educational and methodical complexes of disciplines, programs of practices and other types of educational and methodical materials.<br>Information support is provided on the basis of the Distance Learning System of SUTE, computer rooms of the department, university resources. |
| <b>9 - Academic mobility</b>                              |  |
| <b>National credit mobility</b>                           | On general grounds within Ukraine. Short-term studying of students according to a predetermined course in higher education institutions.   |
| <b>International credit mobility</b>                      | Agreements on cooperation between SUTE and higher education institutions in France, Great Britain, Poland, Germany, within the framework of which partner exchange and studying of students is carried out.<br>Studying in the KA1 direction on predetermined courses with obtaining credits at universities of member countries of the Program Erasmus+                               |
| <b>Training of foreign higher education students</b>      | Foreign students of higher education have the opportunity to study at the preparatory department for foreigners and stateless persons on the educational program   |

## 2. List of components of the educational program and their logical sequence

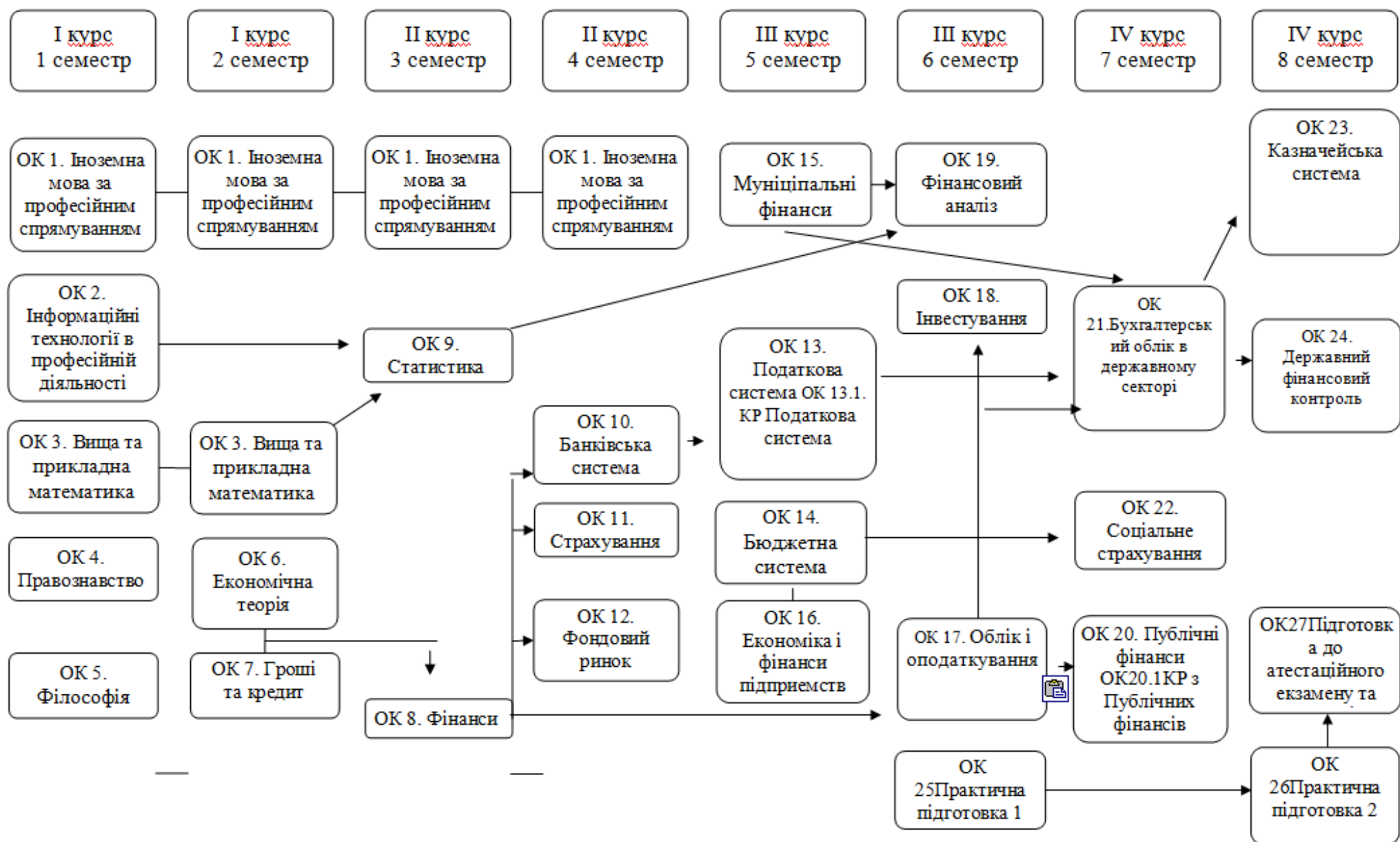
### 2.1. List of EP components

| Code n / a   | Components of the educational program<br>(disciplines, course projects (works), practices, qualifying exam, qualifying work) | Number of credits |
|--|--|-------------------|
| 1  | 2  | 3                 |
| <b>Educational programme compulsory components</b> |  |                   |
| CC 1   | Foreign Language for Professional Purposes   | 24                |
| CC 2   | Information Technology in Professional Activity  | 6                 |
| CC 3   | Higher and Applied Mathematics   | 12                |
| CC 4   | Legal studies  | 6                 |
| CC 5   | Philosophy   | 6                 |
| CC 6   | Economic Theory  | 6                 |
| CC 7   | Money and Credit   | 6                 |
| CC 8   | Finance  | 6                 |
| CC 9   | Statistics   | 6                 |
| CC 10  | Banking System   | 6                 |
| CC 11  | Insurance  | 6                 |
| CC 12  | Stock Market   | 6                 |
| CC 13  | Tax System   | 6                 |
| CC 13.1  | Course Work on the Tax System  |                   |
| CC 14  | Budget System  | 6                 |
| CC 15  | Municipal Finance  | 6                 |
| CC 16  | Business Economics and Finance   | 6                 |
| CC 17  | Accounting and Taxation  | 6                 |
| CC 18  | Investing  | 6                 |
| CC 19  | Financial Analysis   | 6                 |
| CC 20  | Public Finance   | 6                 |
| CC 20.1  | CW on Public Finance   |                   |
| CC 21  | Accounting in the public sector  | 6                 |
| CC 22  | Social Insurance   | 6                 |
| CC 23  | Treasury System  | 4,5               |
| CC 24  | State Financial Control  | 4,5               |
| CC 25  | Internship 1   | 6                 |
| CC 26  | Internship 1   | 6                 |
| CC 27  | Preparation for the attestation exam and attestation   | 3                 |
| <b>The total amount of required components:</b>    |  | <b>180</b>        |
| <b>Elective components EP</b>                      |  |                   |
| EC 1   | WEB-design and WEB-programming   | 6                 |
| EC 2   | Administration of Taxes and Duties   | 6                 |
| EC 3   | Life Safety  | 6                 |
| EC 4   | Security of Information Systems and Networks   | 6                 |
| EC 5   | Law of business  | 6                 |
| EC 6   | State Fiscal Policy  | 6                 |
| EC 7   | State Regulation of the Economy  | 6                 |
| EC 8   | Public Administration and Local Self-Government  | 6                 |
| EC 9   | Ecology  | 6                 |
| EC 10  | Economy of Ukraine   | 6                 |
| EC 11  | Economic and Mathematical Modelling  | 6                 |
| EC 12  | Economic Analysis  | 6                 |

|   |  |            |
|---|--|------------|
| EC 13   | Electronic Document Management                                 | 6          |
| EC 14   | Protection of the Rights of Consumers of Financial Services    | 6          |
| EC 15   | Enterprise Reporting   | 6          |
| EC 16   | Information Wars   | 6          |
| EC 17   | Information Systems and Technologies in Financial Institutions | 6          |
| EC 18   | History of Ukraine   | 6          |
| EC 19   | Critical Thinking  | 6          |
| EC 20   | Management   | 6          |
| EC 21   | International Economic Activity of Ukraine                     | 6          |
| EC 22   | International Economic Relations                               | 6          |
| EC 23   | International Accounting and Reporting Standards               | 6          |
| EC 24   | International Credit, Settlement and Currency Operations       | 6          |
| EC 25   | National Interests in World Geopolitics and Geoeconomics       | 6          |
| EC 26   | Fundamentals of cybersecurity                                  | 6          |
| EC 27   | Political Science  | 6          |
| EC 28   | Psychology   | 6          |
| EC 29   | Religious Studies  | 6          |
| EC 30   | World Culture  | 6          |
| EC 31   | Probability Theory and Mathematical Statistics                 | 6          |
| EC 32   | Ukrainian Language (for professional purposes)                 | 6          |
| EC 33   | Management Accounting  | 6          |
| EC 34   | Finance of Insurance Organisations                             | 6          |
| EC 35   | Financial Security of the State                                | 6          |
| EC 36   | Financial Mathematics  | 6          |
| EC 37   | Financial Law  | 6          |
| EC 38   | Financial and Credit Systems of Foreign Countries              | 6          |
| EC 39   | Financial Accounting   | 6          |
| EC 40   | Financial Market   | 6          |
| EC 41   | Digital Economy of Ukraine                                     | 6          |
| EC 42   | Communication English Tailored Course                          | 6          |
| <b>The total amount of elective components:</b> |  | <b>60</b>  |
| <b>TOTAL VOLUME OF THE EDUCATIONAL PROGRAM</b>  |  | <b>240</b> |

*For all components of the study programme, the form of final control is an exam*

## 2.2. Структурно-логічна схема ОП





### **3. FORM OF ATTESTATION OF HIGHER EDUCATION STUDENTS**

The attestation of applicants for a bachelor's degree in finance, banking and insurance is carried out in the form of an attestation examination.

The attestation examination in the subject area verifies the achievement of learning outcomes defined by the Higher Education Standard and the educational programme.



## 4.2. Matrix of correspondence of programme competences to elective components of the educational programme

| Components/<br>Competencies | EC 1 | EC 2 | EC 3 | EC 4 | EC 5 | EC 6 | EC 7 | EC 8 | EC 9 | EC 10 | EC 11 | EC 12 | EC 13 | EC 14 | EC 15 | EC 16 | EC 17 | EC 18 | EC 19 | EC 20 | EC 21 | EC 22 | EC 23 | EC 24 | EC 25 | EC 26 | EC 27 | EC 28 | EC 29 | EC 30 | EC 31 | EC 32 | EC 33 | EC 34 | EC 35 | EC 36 | EC 37 | EC 38 | EC 39 | EC 40 | EC 41 | EC 42 |   |   |   |   |
|-----------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|---|---|---|
| GC 01                       |      | *    |      |      | *    | *    | *    | *    |      | *     | *     | *     |       |       | *     | *     | *     |       | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | * |   |   |   |
| GC 02                       |      | *    | *    |      |      | *    | *    | *    | *    |       | *     | *     |       |       | *     | *     |       | *     |       | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | * |   |   |   |
| GC 03                       | *    |      |      |      |      |      |      |      | *    |       |       |       |       | *     |       |       |       |       | *     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | *     | *     | * |   |   |   |
| GC 04                       |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | *     | *     | * |   |   |   |
| GC 05                       | *    | *    |      | *    |      |      | *    | *    |      |       |       | *     | *     |       |       | *     |       |       |       |       |       |       | *     |       |       |       |       |       |       |       |       |       |       |       | *     |       |       |       |       |       |       | *     | * | * |   |   |
| GC 06                       |      |      |      |      |      |      |      |      |      | *     |       | *     |       |       | *     |       |       |       |       | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | * |   |   |   |
| GC 07                       |      |      |      |      |      |      |      |      |      | *     |       | *     |       |       | *     |       |       | *     |       | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | * | * |   |   |
| GC 08                       | *    | *    |      |      |      |      |      |      |      |       | *     | *     | *     |       | *     | *     |       | *     |       | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | * | * |   |   |
| GC 09                       |      |      |      |      | *    |      |      |      | *    |       | *     | *     |       |       | *     |       |       |       |       | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | * | * |   |   |
| GC 10                       |      | *    | *    | *    |      | *    |      |      |      |       | *     | *     |       |       |       | *     |       |       |       |       |       |       |       |       |       |       | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | * | * |   |   |
| GC 11                       |      | *    |      |      | *    |      | *    |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | * | * |   |   |
| GC 12                       |      |      |      | *    |      |      |      |      |      |       |       | *     |       |       |       | *     |       |       |       |       |       |       |       |       |       | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | * | * |   |   |
| GC 13                       |      |      |      |      | *    |      |      |      | *    |       |       |       |       |       |       |       |       |       | *     |       |       |       |       |       | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | * | * |   |   |
| GC 14                       |      |      | *    |      |      |      |      |      | *    |       | *     | *     |       |       |       |       |       | *     |       |       |       |       |       |       |       |       |       | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | * | * | * |   |
| SC 01                       |      |      |      |      |      | *    |      | *    | *    | *     | *     | *     |       |       |       |       | *     |       |       | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | * | * |   |   |
| SC 02                       |      |      |      |      |      |      | *    | *    |      |       |       |       |       |       |       |       | *     |       |       | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | * | * | * |   |
| SC 03                       |      | *    |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | * | * | * |   |
| SC 04                       |      |      |      |      |      | *    |      |      |      | *     | *     | *     |       |       |       |       |       |       |       |       |       |       |       |       |       |       | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | * | * | * | * |
| SC 05                       |      | *    |      |      |      |      | *    |      |      |       |       | *     |       |       |       |       |       | *     |       | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | * | * | * | * |
| SC 06                       |      |      |      | *    |      |      |      |      |      |       | *     | *     |       |       | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | * | * | * | * |
| SC 07                       |      | *    |      |      |      |      |      |      |      |       |       | *     |       |       | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | * | * | * | * |
| SC 08                       | *    | *    |      |      |      |      |      |      |      |       |       |       | *     |       |       |       |       |       |       | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | * | * | * | * |
| SC 09                       |      |      |      |      |      | *    | *    | *    | *    |       | *     | *     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | *     | * | * | * |   |
| SC 10                       |      |      |      |      |      |      |      |      |      |       | *     | *     |       |       |       |       | *     |       |       |       |       | *     |       |       |       |       |       |       |       |       |       |       |       |       |       |       | *     | *     |       |       |       | *     | * | * | * |   |
| SC 11                       |      |      |      |      |      |      |      |      |      |       | *     | *     |       |       |       | *     |       | *     |       |       | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | *     | * | * | * |   |
| SC 12                       |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | *     | * | * | * |   |
| SC 13                       |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | *     | * | * | * |   |

**5. 1. MATRIX OF ENSURING THE PROGRAMME LEARNING OUTCOMES WITH THE RELEVANT COMPULSORY COMPONENTS  
OF THE EDUCATIONAL PROGRAMME**

| <b>Components<br/>/<br/>Programme<br/>learning<br/>outcomes</b> | <b>CC 1</b> | <b>CC 2</b> | <b>CC 3</b> | <b>CC 4</b> | <b>CC 5</b> | <b>CC 6</b> | <b>CC 7</b> | <b>CC 8</b> | <b>CC 9</b> | <b>CC 10</b> | <b>CC 11</b> | <b>CC 12</b> | <b>CC 13</b> | <b>CC 13.1</b> | <b>CC 14</b> | <b>CC 15</b> | <b>CC 16</b> | <b>CC 17</b> | <b>CC 18</b> | <b>CC 19</b> | <b>CC 20</b> | <b>CC 20.1</b> | <b>CC 21</b> | <b>CC 22</b> | <b>CC 23</b> | <b>CC 24</b> | <b>CC 25</b> | <b>CC 26</b> | <b>CC 27</b> |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| PLO 01  |             |             |             |             |             | *           | *           | *           | *           | *            | *            | *            | *            |                | *            | *            | *            | *            | *            |              | *            |                | *            | *            | *            | *            | *            | *            | *            |
| PLO 02  | *           |             |             |             |             | *           | *           |             |             | *            | *            | *            | *            |                | *            | *            | *            |              | *            |              | *            |                | *            | *            |              | *            | *            | *            | *            |
| PLO 03  | *           |             |             |             |             | *           | *           | *           |             | *            | *            | *            | *            |                |              | *            |              |              |              |              | *            |                | *            | *            |              |              | *            | *            | *            |
| PLO 04  |             |             |             |             |             | *           | *           | *           |             | *            | *            | *            | *            | *              | *            | *            | *            | *            |              |              | *            |                | *            | *            | *            | *            | *            | *            | *            |
| PLO 05  |             |             |             |             |             |             | *           | *           | *           | *            | *            | *            | *            |                | *            | *            | *            | *            | *            | *            | *            |                | *            | *            | *            | *            | *            | *            | *            |
| PLO 06  |             | *           | *           |             |             |             |             |             | *           |              |              | *            | *            |                |              |              | *            | *            | *            |              |              |                | *            |              |              | *            |              | *            | *            |
| PLO 07  |             |             |             |             |             | *           | *           | *           |             | *            | *            | *            | *            |                | *            | *            | *            | *            | *            |              | *            |                |              |              |              |              |              | *            | *            |
| PLO 08  |             | *           | *           |             |             |             | *           | *           | *           | *            | *            | *            | *            |                | *            | *            | *            | *            | *            |              |              |                | *            |              |              | *            |              | *            | *            |
| PLO 09  |             |             | *           |             |             |             |             |             |             | *            |              | *            | *            |                |              | *            | *            | *            | *            | *            | *            |                | *            |              | *            | *            | *            | *            | *            |
| PLO 10  |             |             |             |             |             |             | *           | *           | *           | *            | *            | *            | *            |                |              | *            | *            | *            | *            | *            | *            | *              |              | *            |              | *            | *            | *            | *            |
| PLO 11  |             |             |             |             |             |             |             |             |             | *            | *            | *            |              |                | *            | *            | *            | *            | *            | *            |              | *              |              | *            | *            | *            | *            | *            | *            |
| PLO 12  | *           |             |             |             |             | *           | *           | *           |             | *            | *            | *            |              |                | *            | *            | *            | *            | *            | *            |              |                |              | *            |              |              | *            | *            | *            |
| PLO 13  |             |             | *           |             |             | *           |             |             | *           |              |              |              | *            | *              |              |              | *            |              |              | *            | *            | *              | *            |              |              | *            | *            | *            | *            |
| PLO 14  |             |             | *           |             | *           | *           | *           | *           | *           | *            | *            | *            | *            | *              | *            | *            | *            | *            | *            | *            | *            | *              |              | *            | *            | *            | *            | *            | *            |
| PLO 15  | *           |             |             |             |             | *           | *           | *           | *           |              |              |              |              |                |              |              |              |              |              |              |              |                |              |              |              |              | *            | *            | *            |
| PLO 16  |             | *           | *           | *           |             | *           | *           | *           | *           | *            | *            | *            |              |                | *            | *            | *            | *            | *            | *            | *            | *              |              | *            |              |              | *            | *            | *            |
| PLO 17  |             |             |             | *           |             |             | *           | *           |             | *            | *            | *            | *            |                | *            | *            | *            | *            | *            | *            |              |                |              |              |              |              | *            | *            | *            |
| PLO 18  | *           |             | *           |             | *           | *           | *           | *           | *           | *            | *            | *            |              |                | *            | *            | *            | *            | *            | *            |              | *              |              | *            |              | *            | *            | *            | *            |
| PLO 19  | *           |             |             | *           | *           |             | *           | *           | *           | *            | *            | *            | *            |                | *            | *            | *            | *            | *            | *            |              | *              |              | *            | *            | *            | *            | *            | *            |
| PLO 20  | *           |             |             |             |             |             | *           | *           | *           | *            | *            | *            | *            |                | *            | *            | *            | *            | *            | *            |              | *              |              | *            | *            | *            | *            | *            | *            |
| PLO 21  |             |             |             | *           |             |             |             |             |             | *            | *            | *            | *            |                | *            | *            | *            | *            | *            | *            |              | *              |              | *            | *            | *            | *            | *            | *            |
| PLO 22  |             |             |             | *           | *           |             |             |             |             |              |              |              |              |                |              |              |              |              |              |              |              |                |              |              |              | *            | *            | *            | *            |
| PLO 23  |             |             |             | *           | *           | *           |             |             |             | *            | *            |              |              |                | *            | *            | *            |              |              |              |              |                |              |              |              | *            | *            | *            | *            |
| PLO 24  |             |             |             |             |             |             |             |             |             |              |              |              |              |                |              | *            |              |              |              |              | *            |                | *            | *            | *            | *            | *            | *            | *            |
| PLO 25  |             |             |             |             |             |             |             |             |             |              |              |              |              |                |              | *            |              |              |              |              | *            | *              |              | *            | *            | *            | *            | *            | *            |



