



**FEDERAL BOARD OF INTERMEDIATE
AND SECONDARY EDUCATION
H-8/4, ISLAMABAD**



No.1-10/FBISE/RES/436

09 May, 2024

NOTIFICATION

It is notified for information and necessary action of all concerned that the following Specialized Courses of Pre-University Foundation Program are being offered by FBISE:

I. NVQF LEVEL 4 (SSC)

COMPULSORY SUBJECTS FOR ALL STUDENTS (500 MARKS)

1. Urdu / Foreign Language	100 Marks
2. National Studies & Religious Education	100 Marks
3. Foundation Mathematics	100 Marks
4. Foundation Computing	100 Marks
5. Academic English & Study Skills	100 Marks

OPTIONAL COURSES (600 MARKS)

1. Management Essentials	100 Marks
2. Essentials of Business Finance / Financial Literacy & Transactions	100 Marks
3. Trade Specialization (Subject I) Business Ethics	100 Marks
4. Trade Specialization (Subject II) Entrepreneurship	100 Marks
5. Optional 1: Marketing Essentials	100 Marks
6. Optional 2: E-Commerce Essentials	100 Marks

- Note:**
- Subject I and subject II must be of the same trade at NVQF level 4.
 - For choosing optional 1 and 2 subjects, they will be selected from the list of optional subjects relevant to the selected specialized trade.

LIST OF OPTIONAL SUBJECTS AT NVQF LEVEL 4 (100 MARKS EACH)

1. Electrical Wiring
2. Computer Hardware (Orientation)
3. Wood Working & Furniture Making
4. Food Processing and Preservation
5. Welding (ARC & GAS)
6. Motor Winding
7. Dress Making & Fashion Designing
8. Business Applications / Computer Science
9. Bookkeeping / Banking & Reconciliation
10. Marketing Essentials
11. E-Commerce Essentials
12. Modern Web Services
13. Data Logic and Design
14. AI Models & Training

List of Trades along with Subjects at NVQF Level 4 (Each of the two subjects of 100 marks)

S#	Trade	Subject I	Subject II
1	Entrepreneurship	Business Ethics	Setting up your own Business / Entrepreneurship
2	Beautician	Fundamentals of Cosmetology	Fundamentals of Aesthetics
3	Tourism Management	Introduction to Tourism	Tourism Management
4	Industrial Electrician	Industrial Electrician	Applied Electrician
5	HVACR	Basic of HVACR	Applied HVACR
6	Chef	Fundamentals of Cooking	Professional Chef
7	Hotel Management	Working Principle of Hotel	Hotel Management
8	Graphic Designing	Graphic Designing	Media Production
9	Plumbing and SWHS	Plumbing and SWHS-I	Plumbing and SWHS-II
10	Fashion Designing & Dress Making	Dress Making	Fashion Designing
11	IOT	IOT Hardware Development	IOT Software Development
12	Cyber Development	Web Essentials	Python Programming
13	Cyber Security	Security Fundamentals	Threat Detection
14	Cyber Systems	Preliminary Administrator	Virtualization
15	Artificial Intelligence	Introduction to AI	Applied AI Usage

II. NVQF LEVEL 5 (HSSC)

COMPULSORY SUBJECTS FOR ALL STUDENTS (500 MARKS)

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|--|-----------|
| 1. Mathematics / Business Mathematics | 100 Marks |
| 2. Statistics / Civics | 100 Marks |
| 3. Economics / Principles of Economics | 100 Marks |
| 4. Digital Marketing Essentials for Small Business | 100 Marks |
| 5. Global Business Management | 100 Marks |

OPTIONAL COURSES (600 MARKS)

- | | | |
|--------------------------------------|--------------------------|-----------|
| 1. Trade Specialization (Subject I) | Business Research | 200 Marks |
| 2. Trade Specialization (Subject II) | Business startup project | 200 Marks |
| 3. Optional Subject: | Business Communication | 200 Marks |

- Note:**
- Subject I and subject II must be of the same trade at NVQF Level 5.
 - For choosing optional subject, it will be selected from the list of optional subjects relevant to the selected specialized trade.

LIST OF OPTIONAL SUBJECTS AT NVQF LEVEL 5 (200 MARKS EACH)

- Electrical Load Management
- Operating Systems & Security
- Wood Crafting & Design
- Culinary Arts & Service Management
- Advanced Welding
- Three Phase Motor Winding
- Textile Arts & Digital Design
- Brand Management / Business Identity & Design
- Import & Export Essentials / Procurement Management
- Business Communication
- Business Laws & Taxation
- Service Integration & Web Design
- Relational Databases & Normalization
- Machine Learning & Algorithms

List of Trades along with Subjects at NVQF Level 5 (Each of the two subjects of 200 marks)

S#	Trade	Subject I	Subject II
1	Entrepreneurship	Business Research	Business Startup Project
2	Beautician	Advanced Cosmetology	Facials & Hair Treatments
3	Tourism Management	Tourism Customer Service	History & Culture
4	Industrial Electrician	Three Phase Electrician	Multiple Source Management
5	HVACR	Advanced HVACR	Standards & Maintenance
6	Chef	Food Engineering	Kitchen Management
7	Hotel Management	Guest Customer Service	Lodging and Room Service
8	Graphic Designing	Animation Design	Video Editing
9	Plumbing and SWHS	Advanced Plumbing and Heating Management	Advanced Solar Water & Heating Systems
10	Fashion Designing & Dress Making	Digital Illustration	Fashion Trend Management
11	IOT	IOT Integrations	IOT Electronics
12	Cyber Development	Web Engineering	C# Programming
13	Cyber Security	Cryptography	Security Forensics
14	Cyber Systems	System Architecture	Kubernetes & Services
15	Artificial Intelligence	Model Creation & Training	Advanced AI Model Usage

2. This issues with the approval of the Chairman, FBISE.

(SYED ZULFIQAR SHAH)
Deputy Director
(Research and Academics)

Heads of all Institutions affiliated with
FBISE at SSC and HSSC Levels

Copy to:

1. APS to Chairman, FBISE, Islamabad
2. APS to Secretary, FBISE, Islamabad
3. All Heads of Departments, FBISE, Islamabad