# **National Skills Development Authority (NSDA)**

# **Overall List of CS, CAD, CURRICULUM & CBLM**

**Competency Standard (CS) and Course Accreditation Document (CAD)**

| **S.L** | **Occupation** | **Level** | **Sector**  **S.L.** | **Sector** | **Remarks** |
| --- | --- | --- | --- | --- | --- |
|  | Apparel Merchandising | 4 |  | RMG & Textile  RMG and Textile |  |
|  | Safety Management for RMG | 3 |  |
|  | Production Planning & Control for RMG | 4 |  |
|  | Computer Aided Design for Garments | 4 |  |
|  | Industrial Engineering and Lean Manufacturing | 4 |  |
|  | Production Planning and Supply Chain Management for RMG | 4 |  |
|  | Finishing and Packaging Operation | 2 |  |
|  | Finishing and Packaging Operation | 3 |  |
|  | Quality Control Management for RMG | 4 |  |
|  | Knit Sewing Machine Operation | 2 |  |
|  | Mid-level Management for RMG | 4 |  |
|  | Garments Washing Technology | 3 |  |
|  | Quality Control for Weaving | 2 |  |
|  | Circular Knitting Machine Operation | 2 |  |
|  | Sewing Machine Operation (lingerie) | 2 |  |
|  | Spinning Machine Operation (Preparatory Process) | 2 |  |
|  | Quality Control of Dyeing and Printing for Woven | 3 |  |
|  | Quality Control for Spinning | 3 |  |
|  | Fabric Printing Machine Operation | 3 |  |
|  | Productivity Improvement Techniques for Workers | 3 |  |
|  | Dyeing Machine Operation for Woven | 3 |  |
|  | Woven Fabrics Structure and Design | 3 |  |
|  | Social Compliance and Human Resource Management | 3 |  |
|  | Textile Testing for Quality Assurance | 3 |  |
|  | Computerized Sweater Machine Operation | 2 |  |
|  | Ring Frame Operation | 2 |  |
|  | Fashion Design and Product Development | 3 |  |
|  | Preparatory Process in Weaving | 2 |  |
|  | Woven Sewing Machine Operation | 2 |  |
|  | Weaving Machine operation | 2 |  |
|  | Manual Sweater Machine Operation | 2 |  |
|  | Weaving CAD | 3 |  |
|  | Yarn Dyeing Machine Operation | 3 |  |
|  | Mechanical Fitting | 1 |  |
|  | Mechanical Fitting | 2 |  |
|  | Mechanical Fitting | 3 |  |
|  | Electrical Installation and Maintenance for Light Engineering | 3 |  | Light Engg.  Light Engg. |  |
|  | Refrigeration and Air-conditioning | 1 |  |
|  | Refrigeration and Air-conditioning | 2 |  |
|  | Refrigeration and Air-conditioning | 3 |  |
|  | Refrigeration and Air-conditioning | 4 |  |
|  | Welding | 1 |  |
|  | Welding | 2 |  |
|  | Welding | 3 |  |
|  | Welding | 4 |  |
|  | Driving | 3 |  |
|  | Consumer Electronics | 1 |  |
|  | Consumer Electronics | 2 |  |
|  | Machine Shop Practice | 3 |  |
|  | Mobile Phone Servicing | 1 |  |
|  | Mobile Phone Servicing | 2 |  |
|  | Mobile Phone Servicing | 3 |  |
|  | Mobile Phone Servicing | 4 |  |
|  | Automotive Mechanics | 1 |  |
|  | Automotive Mechanics | 2 |  |
|  | Automotive Mechanics | 3 |  |
|  | Automotive Mechanics | 4 |  |
|  | Automotive Mechanics | 5 |  |
|  | Programmable Logic Controller (PLC) | 4 |  |
|  | CNC Machining Center Operation with CAD & CAM | 4 |  |
|  | Mechatronics | 3 |  |
|  | Welding Inspection | 3 |  |
|  | Mechanical Fitting | 3 |  |
|  | Automotive Body Painting | 1 |  |
|  | Automotive Body Painting | 2 |  |
|  | Automotive Body Painting | 3 |  |
|  | Automotive Body Repairing | 1 |  |
|  | Automotive Body Repairing | 2 |  |
|  | Plastic Injection Molding Machine Operation | 2 |  |
|  | Finance and Accounting Service Outsourcing | 3 |  | ICT  ICT  ICT |  |
|  | Medical Scribing | 4 |  |
|  | Professional Back Office Service | 3 |  |
|  | Web Design | 3 |  |
|  | Graphics Design | 3 |  |
|  | Digital Marketing for Freelancing | 3 |  |
|  | Digital Marketing for Freelancing | 4 |  |
|  | Digital Marketing for Freelancing | 5 |  |
|  | Digital Marketing for Freelancing | 6 |  |
|  | Graphic Design for Freelancing | 3 |  |
|  | Graphic Design for Freelancing | 4 |  |
|  | Graphic Design for Freelancing | 5 |  |
|  | Web Design and Development for Freelancing | 3 |  |
|  | Web Design and Development for Freelancing | 4 |  |
|  | Web Design and Development for Freelancing | 5 |  |
|  | Commercial Content Writing for Freelancing | 3 |  |
|  | Commercial Content Writing for Freelancing | 4 |  |
|  | Commercial Content Writing for Freelancing | 5 |  |
|  | Journalistic Content Writing for Freelancing | 4 |  |
|  | Academic Content Writing | 4 |  |
|  | Academic Content Writing for Freelancing | 5 |  |
|  | Creative & Business Content Writing for freelancing | 3 |  |
|  | Creative & Business Content Writing for Freelancing | 4 |  |
|  | Creative & Business Content Writing for Freelancing | 5 |  |
|  | Accounting for Freelancing | 4 |  |
|  | Accounting for Freelancing | 5 |  |
|  | 2D Animation Asset Creating for Freelancing | 2 |  |
|  | Classical 2D Animation for Freelancing | 3 |  |
|  | 2D Animation for Freelancing | 4 |  |
|  | 3D Animation Asset Creating for Freelancing | 2 |  |
|  | 3D Animation Characters Modelling for Freelancing | 3 |  |
|  | 3D Animation Product Visualization for Freelancing | 3 |  |
|  | 3D Characters Animation for Freelancing | 4 |  |
|  | Penetration Testing for Freelancing | 4 |  |
|  | Penetration Testing for Freelancing | 5 |  |
|  | Network and System Security for Freelancing | 4 |  |
|  | Network and System Security for Freelancing | 5 |  |
|  | Software Security for Freelancing | 4 |  |
|  | Software Security for Freelancing | 5 |  |
|  | Hacking Forensic Investigation for Freelancing | 5 |  |
|  | IT Support Service | 3 |  |
|  | IT Support Service | 4 |  |
|  | IT Support Service | 5 |  |
|  | IT Support Service | 6 |  |
|  | Data Science-Analytics and Big Data | 4 |  |
|  | Computer Operation | 3 |  |
|  | Network Administration | 5 |  |
|  | Server Administration | 5 |  |
|  | Professional Customer Service | 3 |  |
|  | Professional Digital Content Management | 3 |  |
|  | Android Mobile Application Development | 4 |  |
|  | Web Application Development with ASP.Net | 4 |  |
|  | Problem Solving with Python | 3 |  |
|  | Web Application Development with Python | 4 |  |
|  | Leather Sewing Machine Operation | 2 |  | Leather & Leather Goods |  |
|  | Total Quality Management for Leather | 5 |  |
|  | Leather Cutting Machine Operation | 2 |  |
|  | Painting for Construction | 2 |  | Construction |  |
|  | Painting for Construction | 3 |  |
|  | Painting for Construction | 4 |  |
|  | Electrical Installation & Maintenance for Construction | 2 |  |
|  | Masonry | 2 |  |
|  | Plumbing | 2 |  |
|  | Pipe Fittings | 2 |  |
|  | Construction Formwork | 2 |  |
|  | Aluminum Fabrication and Installation | 2 |  |
|  | Rod Binding | 2 |  |
|  | Duct Fitting for HVAC system | 2 |  |
|  | 2D & 3D CAD | 3 |  |
|  | Project Proposal Preparation | 6 |  |
|  | Tiles and Marble Works | 2 |  |
|  | Road Roller Operation | 3 |  |  |
|  | Construction Site Supervision | 4 |  |
|  | Domestic Work | 1 |  | Informal |  |
|  | Domestic Work | 2 |  |
|  | Hair Dressing | 1 |  |
|  | Hair Dressing | 2 |  |
|  | Hair Dressing | 3 |  |
|  | General Caregiving | 2 |  |
|  | Care Giving for Elderly Persons | 3 |  |
|  | Care Giving for Infant, Toddler and Children | 3 |  |
|  | Care Giving for Persons with Special Needs | 3 |  |
|  | Dementia Caregiving | 3 |  |
|  | Makeup Art | 2 |  |
|  | Makeup Art | 3 |  |
|  | Makeup Art | 4 |  |
|  | Skin Care | 2 |  |
|  | Skin Care | 3 |  |
|  | Skin Care | 4 |  |
|  | Beautification | 2 |  |
|  | Beautification | 3 |  |
|  | Tailoring and Dressmaking | 2 |  |
|  | Tailoring and Dressmaking | 3 |  |
|  | Tailoring and Dressmaking | 4 |  |
|  | Block Boutique and Skin Printing | 2 |  |
|  | Block Boutique and Skin Printing | 3 |  |
|  | Embroidery | 2 |  |
|  | Poultry Rearing | 3 |  |
|  | Competency Based Training & Assessment Methodology | 4 |  | Training and Assessment  (Pedagogy) |  |
|  | Competency Based Assessment Methodology | 4 |  |
|  | Advanced Competency Based Assessment Methodology (CBT&A) | 5 |  |
|  | Housekeeping | 2 |  | Tourism and Hospitality |  |
|  | Housekeeping | 3 |  |
|  | Housekeeping | 4 |  |
|  | Tour Guiding | 3 |  |
|  | Food and Beverage Production | 3 |  |
|  | Food and Beverage Service | 2 |  |
|  | Bakery and Pastry Production | 3 |  |
|  | Hospitality Management | 3 |  |
|  | Hospitality Management | 4 |  |
|  | Reservation & Ticketing | 2 |  |
|  | Reservation & Ticketing | 3 |  |
|  | Domestic Food Preservation | 3 |  | Agro food |  |
|  | Industrial Food Preservation | 3 |  |
|  | Off-Industry Food Preservation | 4 |  |
|  | Baking | 3 |  |
|  | Mechanical Maintenance for Ceramic Industry | 1 |  | Ceramic |  |
|  | Mechanical Maintenance for Ceramic Industry | 2 |  |
|  | Mechanical Maintenance for Ceramic Industry | 3 |  |
|  | Carpentry | 1 |  | Furniture |  |
|  | Carpentry | 2 |  |
|  | Carpentry | 3 |  |

**Competency Standard (CS) and Course Accreditation Document (CAD) [ REVIEW]**

| **S.L** | **Occupation** | **Level** | **Sector**  **S.L.** | **Sector** | **Remarks** |
| --- | --- | --- | --- | --- | --- |
| **1** | Machine Shop Practice | 3 |  | Light Engg. | Review |

**COMPETENCY BASED CURRICULUM (CBC):**

| **S.L** | **Occupation** | **Level** | **Sector** | **Remarks** |
| --- | --- | --- | --- | --- |
|  | Quality Control Management | 4 | RMG & Textile | Bangla |
|  | Production Planning & Supply Chain Management | 4 |
|  | Knit Sewing Machine Operation | 2 |
|  | Apparel Merchandising | 4 |
|  | Mid-Level Management | 4 |
|  | Industrial Engineering and Lean Manufacturing | 4 |
|  | Safety Management for RMG | 3 |
|  | Fashion Design and Product Development | 3 |
|  | Social Compliance and Human Resource Management | 4 |
|  | Block Batik and Screen Print | 2 |
|  | Block Batik and Screen Print | 3 | Bangla and English |
|  | Electrical Installation and Maintenance for Construction | 2 | Construction | Bangla |
|  | Painting for Construction | 2 |
|  | Painting for Construction | 3 |
|  | Painting for Construction | 4 |
|  | Plumbing | 2 |
|  | Tiles and Marble Works | 2 |
|  | Competency Based Training & Assessment Methodology | 4 | Training and Assessment |
|  | Competency Based Assessment Methodology | 4 |
|  | CBT&A | 5 |
|  | Domestic Work | 1 | Informal | Bangla |
|  | Domestic Work | 2 |
|  | Caregiving | 2 |
|  | Caregiving for Elderly Persons | 3 |
|  | Caregiving for Infant, Toddler and Children | 3 |
|  | Caregiving for Persons with Special Needs | 3 |
|  | Driving | 3 | Light Engineering | Bangla |
|  | Mobile Phone Servicing | 1 |
|  | Mobile Phone Servicing | 2 |
|  | Mobile Phone Servicing | 3 |
|  | Mobile Phone Servicing | 4 |
|  | Electrical Installation and Maintenance for Light Engineering | 3 |
|  | Welding | 1 |
|  | Welding | 2 |
|  | Welding | 3 |
|  | Welding | 4 |
|  | Machine Shop Practice | 3 |
|  | Consumer Electronics | 1 |
|  | Consumer Electronics | 2 | Bangla |
|  | Refrigeration & Air Conditioning | 1 |
|  | Refrigeration & Air Conditioning | 2 |
|  | Refrigeration and Air Conditioning | 3 |
|  | Automotive Mechanics | 1 |
|  | Automotive Mechanics | 2 |
|  | Automotive Mechanics | 3 |
|  | Automotive Mechanics | 4 |
|  | Automotive Body Painting | 1 | Bangla and English |
|  | CNC Machining Centre Operation with CAD & CAM | 4 | Bangla |
|  | IT support Service | 3 | ICT |
|  | Computer Operation | 3 |
|  | Graphic Design | 3 |
|  | Web Design | 3 |
|  | Digital Marketing | 3 |
|  | Web Design and Development for Freelancing | 3 |
|  | Graphic Design for Freelancing | 3 |
|  | Accounting for Freelancing | 4 |
|  | Network Administration | 5 | Bangla |
|  | Data Science analytics and Big Data | 4 |
|  | Graphic Design for Freelancing | 5 |
|  | Baking | 3 | Agro-Food |
|  | Food and Beverage Production | 3 | Tourism & Hospitality |
|  | Woven Sewing Machine Operation | 2 | RMG & Textile | Bangla and English |
|  | Tour Guiding | 3 | Tourism & Hospitality | Bangla and English |
|  | Aluminum Fabrication and Installation | 2 | Construction Sector | Bangla and English |

**COMPETENCY BASED LEARNING MATERIALS (CBLM):**

| **S. L** | **UOC** | **Module Name** | **Occupation** | **Level** | **Sector** | **Remarks** |
| --- | --- | --- | --- | --- | --- | --- |
|  | NSDASS02V1 | Apply Occupational Safety and Health (OSH) in CBT&A environment | Competency Based Training and Assessment Methodology  (Sector Specific) | 4 | CBT&A Methodology | Bangla |
|  | NSDASS01V1 | Work Effectively within TVET Sector | 4 |
|  | NSDASS03V1 | Apply ICT to Facilitate Training and Assessment | 4 |
|  | NSDASS04V1 | Practice Inclusivity in CBT&A Environment | 4 |
|  | NSDASS05V1 | Maintain Training Equipment and Facilities | 4 |
|  | NSDASS06V1 | Maintain & Enhance Professional & Technical Competencies (CBT&A) | 4 |
|  | NSDAOT03V1 | Deliver Competency Based Training (CBT&A) | Competency Based Training and Assessment Methodology  (Occupation Specific) | 4 |
|  | NSDAOA01V1 | Design and Develop Competency-Based Assessment | 4 |
|  | NSDAOA02V1 | Organize and Conduct Competency-Based Assessment | 4 |
|  | NSDAOT01V1 | Design and Modify Competency-Based Learning Materials | 4 |
|  | NSDAOT02V1 | Organize Competency-Based Training Sessions | 4 |
|  | GU007L2V1 | Apply Real Literacy | Domestic Work (Generic) | 1 | Informal | Bangla |
|  | OUSMO0001L2V1 | Interpret Knit Fabrics and Garments | Knit Sewing Machine Operation (Occupation Specific) | 2 | RMG and Textile | Bangla |
|  | OUSMO0002L2V1 | Prepare for Sewing Operation | 2 |
|  | OUSMO0003L2V1 | Carry out Machine Performance | 2 |
|  | OUSMO0004L2V1 | Operate Industrial Sewing Machine | 2 |
|  | OUSMO0005L2V1 | Make T-Shirt and Polo Shirt | 2 |
|  | OUWEL001L1V1 | Use Hand Tools and Power Tools | Welding (Occupation Specific) | 1 | Light Engineering Sector | Bangla |
|  | OUWEL002L1V1 | Use Measuring Instruments | 1 |
|  | OSU01I10L3V1 | Interpret Workplace Safety Management in RMG Industries | Safety Management for RMG (Occupation Specific) | 3 | RMG& Textile Sector | Bangla |
|  | OSU02I10L3V1 | Interpret Fire Safety & Management System | 3 |
|  | OU-ICT-CO-02-L3-V1 | Prepare a Document using Word Processor | Computer Operation (Occupation Specific) | 3 | ICT | Bangla |
|  | OU-ICT-CO-03-L3-V1 | Prepare a Spreadsheet | 3 |
|  | OU-ICT-CO-04-L3-V1 | Prepare a Presentation | 3 |
|  | OU-ICT-CO-05-L3-V1 | Use Internet and Access Resources | 3 |
|  | GU-01-L5-V1 | Apply Creative and Critical Thinking Skills for Effective Communication, Negotiation and Leadership /Apply Creative and Critical Thanking | CBT&A (Pedagogy)  (Generic) | 5 | Training & Assessment Sector | English |
|  | OU-TAM-01-L5-V1 | Conduct Training Need Analysis | CBT&A (Occupation Specific) | 5 |
|  | OU-TAM-02-L5-V1 | Develop CBT Curriculum | 5 |
|  | OU-TAM-03-L5V1 | Design and Develop Competency Based Training Program, | 5 |
|  | OU-TAM-04-L5-V1 | Validate Competency Based Assessment | 5 |
|  | OU-TAM-07-L5-V1 | Conduct Competency Based Training and Assessment | 5 |
|  | OU-TAM-09-L5-V1 | Develop Digital Learning Materials | 5 |
|  | OUAMECH003L1V1 | Service suspension system /Service and Repair Suspension System | Automotive Mechanics (Occupation Specific) | 1 | Light Engineering Sector | Bangla |
|  | OUAMECH004L1V1 | Service Cooling System | 1 |
|  | OUAMECH005L1V1 | Service Lubricating System | 1 |
|  | OUAMECH006L1V1 | Service and Repair Starting System | 1 |
|  | OUDW001L1V1 | Perform Fundamentals of Domestic Work | Domestic Work (Occupation Specific) | 1 | Informal Sector | Bangla |
|  | OUDW002L1V1 | Communicate with Family Members and Clients | 1 |
|  | OUCE003L2V1 | Install Solar Panel | Consumer Electronics (Occupation Specific) | 2 | Light Engineering ISC | Bangla |
|  | OU-RMGT-AM-01-L3-V1 | Identify the principle and major tasks of Apparel Merchandising | Apparel Merchandising (Occupation Specific) | 4 | RMG& Textile Sector | Bangla |
|  | OU-RMGT-AM-02-L3-V1 | Build and Maintain an Effective Business Relationship with Clients/Customers | 4 |
|  | OU-RMGT-AM-03-L3-V1 | Process of Sourcing Material | 4 |
|  | OU-RMGT-AM-04-L3-V1 | Perform Measurement, Consumption & Cost Calculations for Casual/Formal Apparel | 4 |
|  | OU-CON-Plmb-01-L2-V1 | Use Hand Tools and Power Tools | Plumbing (Occupation Specific) | 2 | Construction Sector | Bangla |
|  | OU-CON-Plmb-02-L2-V1 | Fabricate and prepare pipes for installation | 2 |
|  | OU-CON-Plmb-03-L2-V1 | Make Pipe joints | 2 |  |
|  | OU-CON-Plmb-05-L2-V1 | Install water supply and waste water pipeline | 2 |
|  | OU-ICT-GD-01-L3-V1 | Apply Graphic Design Concepts and Guidelines | Graphic Design (Occupation Specific) | 4 | ICT Sector | English |
|  | OU-ICT-GD-02-L3-V1 | Create professional designs using Illustration software | 4 |
|  | OU-ICT-GD-03-L3-V1 | Separate and compose Images | 4 |
|  | OU-DM-01-L3-V1 | Interpret Concepts of Digital Marketing | Digital Marketing (Occupation Specific) | 4 |
|  | OU-LE-Drv-01-L3-V1 | Operate the vehicle | Motor Driving (Occupation Specific) | 3 | Light Engineering Sector | Bangla |
|  | OU-LE-Drv-02-L3-V1 | Drive a vehicle | 3 |
|  | OU-LE-Drv-05-L3-V1 | Perform Maintenance and Servicing of Vehicle | 3 |
|  | OUISGC1L2V1 | Perform Health Screening | General Caregiving (Occupation Specific) | 2 | Informal Sector | Bangla |
|  | OUISGC2L2V1 | Assist in Activities of Daily Living (ADLs) | 2 |
|  | OUISCPSN01L3V1 | Perform Social and Recreational Supports to the Client | Caregiving for persons with Special Needs (Occupation Specific) | 3 | English |
|  | OU-TAM-10-L5-V1 | Facilitate e-Learning | CBT&A (Pedagogy)  (Generic) | 5 | Training & Assessment Sector | English |