

AUTOMOTIVE TECHNICAL ACADEMY (ATA)

ATA-DT100

Automotive Detailing & Paint Correction Technology

Curriculum Framework (Version 1.0)

Programme Status: Proposed for Locking

Programme Information

Programme Code:

ATA-DT100

Programme Title:

Automotive Detailing & Paint Correction Technology

Qualification Level:

Professional Diploma

Duration:

48 Weeks

Training Days:

5 Days Per Week

Hours Per Day:

8 Hours

Total Contact Hours:

1,920 Hours

Teaching Philosophy

- **70% Practical = 1,344 Hours**
 - **30% Theory = 576 Hours**
-

Entry Requirement

Successful completion of:

ATA-B000 – Automotive Body Works Foundation

or

Recognition of Prior Learning (RPL) in accordance with ATA admission policy.

Programme Goal

ATA-DT100

To produce highly skilled automotive detailing professionals capable of restoring, enhancing, protecting, and maintaining vehicle appearance using professional detailing techniques, paint correction systems, protective coatings, premium interior care, and modern vehicle protection technologies while maintaining industry best practices and customer satisfaction.

Graduate Competency Profile

Graduates shall be able to:

- Perform complete exterior and interior detailing.
 - Conduct professional paint inspection and condition assessment.
 - Carry out single-stage, two-stage, and multi-stage paint correction.
 - Measure paint thickness and assess paint safety.
 - Remove paint defects professionally.
 - Apply ceramic, graphene, and synthetic protective coatings.
 - Install Paint Protection Film (PPF).
 - Install automotive window tint films.
 - Perform vinyl wrap preparation and basic installation.
 - Restore headlights and exterior trim.
 - Detail engine compartments safely.
 - Clean and protect leather, fabric, plastics, and carpets.
 - Eliminate vehicle odours using professional techniques.
 - Conduct final quality inspections and prepare customer reports.
-

Programme Structure

Module	Title	Weeks	Hours
DT100-01	Detailing Workshop Safety, Professional Practice & Equipment	3	120
DT100-02	Exterior Detailing, Washing Systems & Decontamination	6	240
DT100-03	Paint Inspection, Paint Correction & Machine Polishing	8	320
DT100-04	Ceramic, Graphene Coatings & Paint Protection Film (PPF)	7	280

ATA-DT100

Module	Title	Weeks	Hours
DT100-05	Interior Detailing, Leather Care & Odour Elimination	6	240
DT100-06	Window Tinting, Vinyl Wrap Fundamentals & Trim Restoration	5	200
DT100-07	Headlight Restoration, Engine Bay Detailing & Premium Vehicle Presentation	4	160
DT100-08	Detailing Business Operations, Customer Service & Quality Assurance	3	120
DT100-09	Integrated Detailing Projects	4	160
DT100-10	Industrial Attachment, Capstone Project & Final Assessment	2	80
TOTAL		48	1,920
		Weeks	Hours

Module 1

Detailing Workshop Safety, Professional Practice & Equipment

Duration: 3 Weeks

Topics

- PPE
- Chemical safety
- Safe equipment operation
- Electrical safety
- Water management
- Environmental compliance
- Customer vehicle protection
- Professional ethics
- Workshop organization
- Documentation

Practical Competencies

Students will:

- Operate detailing equipment safely.
 - Protect customer vehicles during service.
 - Maintain professional workshop standards.
-

Module 2

Exterior Detailing, Washing Systems & Decontamination

Duration: 6 Weeks

Topics

- Pre-wash inspection
- Two-bucket washing method
- Foam cannon systems
- Wheel and tyre cleaning
- Iron fallout removal
- Tar removal
- Clay bar treatment
- Drying techniques
- Exterior trim cleaning
- Glass cleaning

Practical Competencies

Students will:

- Perform safe vehicle washing.
 - Remove bonded contaminants.
 - Prepare paint surfaces for correction and protection.
-

Module 3

Paint Inspection, Paint Correction & Machine Polishing

Duration: 8 Weeks

Topics

- Paint inspection
- Paint thickness measurement
- Swirl marks
- Oxidation
- Scratches
- Wet sanding awareness

- Rotary polishing
- Dual-action polishing
- Compound selection
- Finishing polish

Practical Competencies

Students will:

- Assess paint condition.
 - Perform paint correction safely.
 - Restore gloss and clarity.
 - Produce hologram-free finishes.
-

Module 4

Ceramic, Graphene Coatings & Paint Protection Film (PPF)

Duration: 7 Weeks

Topics

- Surface preparation
- Ceramic coatings
- Graphene coatings
- Maintenance coatings
- Paint Protection Film (PPF)
- Film cutting
- Film installation
- Edge finishing
- Coating maintenance
- Warranty procedures

Practical Competencies

Students will:

- Apply ceramic coatings.
 - Install PPF professionally.
 - Maintain protected finishes.
 - Verify coating performance.
-

Module 5

Interior Detailing, Leather Care & Odour Elimination

Duration: 6 Weeks

Topics

- Interior vacuuming
- Steam cleaning
- Leather cleaning
- Leather conditioning
- Fabric protection
- Carpet extraction
- Dashboard detailing
- Air vent cleaning
- Ozone treatment
- Odour removal

Practical Competencies

Students will:

- Restore vehicle interiors.
 - Protect leather and fabrics.
 - Eliminate odours safely.
 - Prepare luxury vehicle interiors.
-

Module 6

Window Tinting, Vinyl Wrap Fundamentals & Trim Restoration

Duration: 5 Weeks

Topics

- Tint film types
- Glass preparation
- Film shrinking
- Film installation
- Vinyl wrap preparation
- Basic wrapping
- Exterior trim restoration
- Plastic restoration
- Chrome restoration

Practical Competencies

Students will:

- Install automotive window tint.
 - Perform basic vinyl wrapping.
 - Restore faded trim.
 - Finish installations professionally.
-

Module 7

Headlight Restoration, Engine Bay Detailing & Premium Vehicle Presentation

Duration: 4 Weeks

Topics

- Headlight sanding
- UV coating
- Engine bay cleaning
- Safe electrical protection
- Tyre dressing
- Final presentation
- Dealership delivery standards
- Photography for customer records

Practical Competencies

Students will:

- Restore cloudy headlights.
 - Detail engine bays safely.
 - Prepare showroom-quality vehicle presentations.
-

Module 8

Detailing Business Operations, Customer Service & Quality Assurance

Duration: 3 Weeks

Topics

- Service packages
- Pricing
- Material costing
- Customer consultation
- Scheduling
- Marketing
- Social media portfolio creation

- Documentation
- Warranty
- Quality assurance

Practical Competencies

Students will:

- Prepare quotations.
 - Design detailing service packages.
 - Maintain customer records.
 - Conduct final quality inspections.
-

Module 9

Integrated Detailing Projects

Duration: 4 Weeks

Students complete comprehensive projects including:

- Full exterior detailing
 - Multi-stage paint correction
 - Ceramic coating application
 - Interior restoration
 - Window tint installation
 - Headlight restoration
 - Engine bay detailing
 - Final customer presentation
-

Module 10

Industrial Attachment, Capstone Project & Final Assessment

Duration: 2 Weeks

Students complete:

- Supervised industrial attachment
- Complete premium detailing project
- Practical trade test
- Written examination
- Technical presentation
- Portfolio assessment
- Exit competency assessment

Required Laboratories & Workshops

- Premium Vehicle Detailing Studio
 - Paint Inspection & Correction Laboratory
 - Ceramic Coating & PPF Installation Laboratory
 - Window Tint & Vinyl Wrap Workshop
 - Interior Detailing Laboratory
 - Headlight Restoration Station
 - Quality Inspection & Vehicle Presentation Bay
-

Essential Training Equipment

Students should train with:

- Pressure washers
 - Foam cannon systems
 - Dual-action polishers
 - Rotary polishers
 - Paint thickness gauges
 - Inspection lighting systems
 - Steam cleaners
 - Hot water extractors
 - Ozone generator
 - Ceramic coating kits
 - Graphene coating kits
 - PPF installation tools
 - Window tint installation tools
 - Infrared curing lamps
 - Air blowers
 - Detailing brushes
 - Microfiber towels
 - Professional PPE
-

Assessment Structure

ATA-DT100

Assessment	Weight
Continuous Practical Assessment	35%
Practical Trade Tests	30%
Written Examination	15%
Capstone Detailing Project	15%
Professional Conduct & Industrial Attachment	5%
TOTAL	100%

Career Opportunities

Graduates may work as:

- Automotive Detailing Technician
- Paint Correction Specialist
- Ceramic Coating Specialist
- Paint Protection Film (PPF) Installer
- Window Tint Technician
- Vehicle Appearance Specialist
- Luxury Vehicle Care Consultant
- Fleet Appearance Supervisor
- Dealership Detailing Manager
- Independent Premium Detailing Business Owner