

CONSTRUCTION

THE CONSTRUCTION DIVISION OFFERS COURSES IN CONSTRUCTION, GAS, PLUMBING, HEATING & VENTILATING, REFRIGERATION & AIR CONDITIONING AND ELECTRICAL INSTALLATION, FROM PRE-FOUNDATION TO HIGHER EDUCATION LEVEL.

We have well-equipped and resourced workshops and classrooms and a well structured programme of additional support, if needed.

The Construction section has specialist workshop resources and offers full-time courses in site carpentry, bench joinery and trowel skills. You can also gain construction skills and qualifications through our Apprenticeship programmes. We offer a wide range of opportunities with courses available in gas fitting, plumbing, industrial service and maintenance, industrial pipefitting, and domestic heating installations.

The Electrical department provides courses in electrical engineering and electro-technical skills, both as full-time or Apprenticeship programmes. This division has strong ties with Wolverhampton University where many of our students progress via our 'Pathways' agreement.



For further information on careers in the Construction industry visit: www.aimhigherwm-alps.org or call Student Services on **01384 363363** for a careers interview.

CARPENTRY & JOINERY

LEVEL 1 OR BRICKLAYING
CERTIFICATE - CONSTRUCTION
SKILLS/CAA LEVEL 1

REF: 3065

WHICH CAMPUS?

Mons Hill Campus

WHAT WILL I STUDY?

This course is designed to prepare you to enter the industry in your chosen craft. It has been specifically developed for delivery in a training environment using simulated conditions.

Compulsory units:

- Safe working practices
- Information, Quantities and Communicating with Others
- Building methods and Construction Technology

Optional units:

Carpentry

- Basic Woodworking Joints
- Maintain and Use Hand Tools
- Prepare and Use Portable Power Tools

OR Brickwork

- Basic Blocklaying Skills
- Basic Bricklaying Skills
- Basic Cavity Walling
- Setting Out and Building Basic
- Masonry Structures up to Damp course level

HOW WILL I BE ASSESSED?

You will be assessed through coursework, practicals and examinations.

WHAT ARE THE ENTRY REQUIREMENTS?

You will have an interview and should have achieved GCSE grades A - F.

HOW LONG?

1 year.

WHAT NEXT?

Construction Level 2 in Brickwork or Carpentry and/or employment in the Construction industry as a Bricklayer or Carpenter.

CONSTRUCTION

BRICK/WOOD CERTIFICATE LEVEL 2

REF: 1404

WHICH CAMPUS?

Mons Hill Campus

WHAT WILL I STUDY?

This course is for you if you want to become a craft operative in the Construction trades employed on building sites such as Bricklayer or Carpenter. All practical training is provided in modern college workshops where you will learn practical and technology skills. You will study these craft areas:

Compulsory Units

- Safe working Practices
- Information, Quantities and Communication 2
- Building Methods and Construction Technology 2

Optional Units for Brickwork

- Interpret Working Drawings to Set Out Masonry
- Thin Joint Masonry and Masonry Cladding
- Build Solid Walling, Isolated and Attached Piers
- Build Cavity Walling Forming Masonry Structures

Optional Units for Carpentry

Bench Joinery

- Circular Saw
- Produce Setting Out Details for Routine Joinery Products
- Mark Out from Setting Out Details for Routine Joinery Products
- Manufacture Routine Joinery Products

Site Carpentry

- First Fixing
- Second Fixing
- Erect Structural Carcassing
- Maintenance
- Circular Saw

HOW WILL I BE ASSESSED?

You will be assessed through on-course assignments, a practical phase test and two theory tests.

WHAT ARE THE ENTRY REQUIREMENTS?

You will attend an interview (your parent or guardian may be present if applicable). Prior to acceptance onto the course you should have completed City & Guilds Foundation Construction Award at Level 1.

HOW LONG?

1 year.

WHAT NEXT?

Advanced Apprenticeship Level 3 and/or employment in the Construction industry as a Carpenter or Bricklayer.

CONSTRUCTION

BTEC NATIONAL CERTIFICATE
DIPLOMA - LEVEL 3

REF: 2581

WHICH CAMPUS?

Mons Hill Campus

WHAT WILL I STUDY?

This course will provide you with a specialist work-related qualification for a career in Construction and also provides a progression route to further qualifications. During this course you will study:

Core units

- Health, safety & welfare
- Analytical methods
- Construction and the environment
- Construction technology & design
- Construction science & materials

Optional units

- Planning, organisation & control of resources
- Graphical detailing
- Surveying processes
- Building technology
- Building surveying

2 other options, to be agreed

HOW WILL I BE ASSESSED?

You will be assessed by a combination of coursework and examination.

WHAT ARE THE ENTRY REQUIREMENTS?

You will have an interview and should have **one** of the following qualifications:

BTEC First Certificate or Diploma in related subjects

OR GNVQ Intermediate in related subject

OR 4 GCSEs at Grades A - C to include Science, English and Maths

HOW LONG?

2 years.

WHAT NEXT?

HNC/HND Building Studies.

DOMESTIC NATURAL GAS INSTALLATION & MAINTENANCE

TECHNICAL CERTIFICATE C&G
6132 - LEVEL 2

REF: 2934

WHICH CAMPUS?

Mons Hill Campus

WHAT WILL I STUDY?

This course aims to provide you with knowledge and understanding of working in the Gas industry. You will learn:

- Health & safety
- Gas regulations
- Installation of domestic gas appliances
- Maintenance of domestic gas appliances
- Basic electrics
- De-commissioning of domestic gas appliances
- Effective working relationships in the gas industry
- Key Skills – communication, numeracy & IT

HOW WILL I BE ASSESSED?

You will be assessed through a variety of methods including an online exam, coursework and assessments.

WHAT ARE THE ENTRY REQUIREMENTS?

You should have 3 GCSEs at grades A - C including English, Maths and a Science subject.

HOW LONG?

2 years.

WHAT NEXT?

Gas Technical Certificate Level 3 and C&G 6012 NVQ Levels 2/3, or employment as a Gas Installation Engineer, Service & Maintenance Engineer or supervisory management.

ELECTRICAL (PERFORMING ENGINEERING OPERATIONS)

C&G NVQ - LEVEL 1

REF: 2805

WHICH CAMPUS?

Broadway Campus

WHAT WILL I STUDY?

The course aims to prepare you for an apprenticeship in electrical engineering. You will study:

- Working safely in an engineering environment
- Working efficiently and effectively in engineering
- Using and communicating technical information
- Wiring and testing electrical equipment and circuits
- Electronic components assembly

HOW WILL I BE ASSESSED?

You will be assessed through a portfolio of work, and practical assessments.

WHAT ARE THE ENTRY REQUIREMENTS?

There are no formal entry qualifications. You will have to attend an interview and take an Initial Assessment in Literacy & Numeracy.

HOW LONG?

1 year.

WHAT NEXT?

Electro Technical Apprenticeship, C&G Performing Engineering Operations - Electrical NVQ Level 2, C&G 2330 Electro Technical 1st year.

ELECTRICAL (PERFORMING ENGINEERING OPERATIONS)

C&G NVQ - LEVEL 2

REF: 2806

WHICH CAMPUS?

Broadway Campus

WHAT WILL I STUDY?

This course aims to prepare you for an apprenticeship in Electrical Engineering. You will study:

- Working safely in an engineering environment
- Working efficiently and effectively in engineering
- Using and communicating technical information
- Producing electrical or electronic engineering drawing using CAD
- Wiring and testing electrical equipment and circuits
- Forming and assembling electrical cable enclosure and support systems

HOW WILL I BE ASSESSED?

You will be assessed through a portfolio of work and practical assessments.

WHAT ARE THE ENTRY REQUIREMENTS?

You will have an interview and take an Initial Assessment in Literacy & Numeracy.

You should also have C&G Performing Engineering Operations - Electrical at NVQ Level 1.

HOW LONG?

1 year.

WHAT NEXT?

Electro Technical Apprenticeship NVQ Level 2, Advanced Apprenticeship NVQ Level 3 or C&G 2330 Electro Technical 1st year.



PLUMBING

ASET NATIONAL AWARD -
LEVEL 1

REF: 2993

WHICH CAMPUS?

Mons Hill Campus

WHAT WILL I STUDY?

This foundation course will introduce you to the Plumbing industry and will allow you to develop basic skills and prepare you for further vocational training.

- Health and Safety
- Basic principles and processes
- Cold water supply
- Hot water supply
- Above ground drainage
- Customer relations & environmental considerations

HOW WILL I BE ASSESSED?

You will be assessed through course work, question papers, practical work and a project.

WHAT ARE THE ENTRY REQUIREMENTS?

You will attend an interview prior to enrolment on this course, and take an Initial Assessment in Literacy and Numeracy.

HOW LONG?

1 year.

WHAT NEXT?

C&G 6129 Plumbing Technical Certificate Level 2. On successful completion of the C&G 6129 course you can then progress to NVQ Level 2 in Plumbing and employment within in the Plumbing trade.



PLUMBING STUDIES

C&G 6129 TECHNICAL CERTIFICATE - LEVEL 2

REF: 2669

WHICH CAMPUS?

Mons Hill Campus

WHAT WILL I STUDY?

This course is suitable for you if you have completed NCFE Plumbing Level 1 and 2 or the ASET National Award in Plumbing Level 1. You will study:

- Safety
- Key principles
- Common plumbing processes
- Cold water systems
- Domestic hot water systems
- Above ground discharge pipe work systems
- Central heating systems

HOW WILL I BE ASSESSED?

You will be assessed through a variety of methods including examination, coursework and practical activities.

WHAT ARE THE ENTRY REQUIREMENTS?

You should have 3 GCSEs in English, Maths and Science at grades A - C or NCFE/ASET Plumbing Levels 2 & 3.

You will also have an interview and an Initial Assessment in Literacy & Numeracy .

HOW LONG?

1 year.

WHAT NEXT?

Employment in the trade together with Plumbing NVQ Level 2.

REFRIGERATION & AIR CONDITIONING

C&G 6127/01 TECHNICAL CERTIFICATE LEVEL 2

REF: 2914

WHICH CAMPUS?

Mons Hill Campus

WHAT WILL I STUDY?

This course will enable you to develop knowledge and skills in the following topics:

- Refrigeration theory
- Electrics
- Brazing
- Installation practice
- Safe handling of refrigerants
- Health & Safety
- Key Skills - Communication, Numeracy & IT

HOW WILL I BE ASSESSED?

You will be assessed by online examinations.

WHAT ARE THE ENTRY REQUIREMENTS?

You should have GCSE in English, Maths and a Science subject at grades A - C.

For the NVQ you will need to be working in the trade, or have a suitable work placement.

HOW LONG?

1 year.

WHAT NEXT?

Further skill development and employment.

OTHER COURSES AVAILABLE

APPRENTICESHIPS (SEE APPRENTICESHIPS SECTION FOR INFO)

Electro Technical Apprenticeship NVQ - Level 3 (REF: 636)

Mechanical Services Apprenticeship & Advanced Apprenticeship NVQ - Level 2 & 3 (REF: 1560)

Construction: Craft Skills in Carpentry & Trowel Trades Apprenticeship NVQ - Level 2 & 3 (REF: 2797)