

ENGINEERING DVD FVS067

General Information

Engineering Diploma website: www.engineeringdiploma.com
 Enginuity www.enginuity.org.uk
 Engineering Council UK www.ehgc.org.uk
 SEMTA www.semta.org.uk

Earnings Guide

£	£10,000
££	£20,000
£££	£30,000
££££	£35,000+
£££££	£50,000+

Structural Engineer [M64] Earning: ££££

Rachael (29) works as part of a design team with architects and building services engineers. She is based at company headquarters but regularly goes on site visits to talk to the construction teams. Being good with figures is essential to her job but she also finds it useful to be able to draw and write reports. She talks about the importance of good maths, an enjoyment in problem solving and the usefulness of good communication skills. 5'01

Further information:

www.arup.com Rachael's employer
www.scenta.co.uk SCENTA

Rachael's qualifications:

Masters in Engineering and
 Member of Chartered Institute of Civil Engineers

Electrical Engineering Technician [M28] Earning: £

Gareth (19) is an apprentice at a quarry. He works within a seven-man team who are responsible for the repair of all the quarry plant and equipment. There is always an assortment of repair and maintenance work to be done which enables him to put his college learning into practice, and he enjoys the variety. He talks about his perseverance in gaining his apprenticeship opportunity and his wish to having an active job working with his hands. 4'16

Further information:

www.aggregate.com Gareth's employer
www.ecitb.org.uk Engineering Construction Industry Training Board
www.careersinquarrying.co.uk Careers in Quarrying

Gareth's qualifications:

GCSEs including Maths and Sciences,
 NVQ Level 2

Vehicle Breakdown Engineer [M4£3] Earning: £££

Abdul (26) works on the road for AA Rescue. He needs strong technical skills and the ability to assess the seriousness of a breakdown swiftly. He enjoys working with the public and says good interpersonal skills are vital for dealing with people who are stressed by the inconvenience of the breakdown. He talks about working a shift system, anti-social hours and working alone. 3'43

Further Information:

www.theaa.com Abdul's employer
www.motor.org.uk Institute of the Motor Industry

Abdul's qualifications:

qualified vehicle mechanic, driving licence

Aerospace Design Engineer [M62]

Earning: £££-££££

Rhiannon (24) is doing a two-year graduate placement at Airbus. She uses her technical, creative and communication and negotiation skills on a range of 3-month projects. She outlines many of the projects she has worked on and then explains in more detail her current assignment. She learned French at school and as she often travels to France for meetings. 4'54

Further information:

www.airbus.com Rhiannon's employer

www.ied.org.uk Institution of Engineering Designers

Rhiannon's qualifications: BSc Engineering
Masters in Mechanical and Electrical Engineering

Site Engineer [M59]

Earning: £££

William (23) works on a large construction project that will take two years to complete. He was involved in setting out the foundations and drainage at the start of the project, and checking the work of sub-contractors as construction progresses. He talks about the instruments he uses, the workplace support, in-house training and possible career paths. 4'10

Further information

www.bam.co.uk William's employer

www.ice.org.uk Institution of Civil Engineers

William's qualifications: Degree in Civil and Coastal Engineering

To see these and other related case studies please go to www.Careers4u.tv

Motorsport Engineer (M02)

Civil Engineer (M54)

Site Manager (M58)

Product Design - manufacturing (M73)

Quarry Manager - trainee (M32)

Motor Vehicle Technician (M05)

Fixed Plant Fitter - quarry (M29)

Stone Mason (M52)

Aerolastics Engineer (M63)

Maintenance Engineer - manufacturing (M76)

Mobile Plant Fitter - quarry (M30)

Engineer Maintenance Fitter - quarry (M31)

Ecologist - engineering (M80)