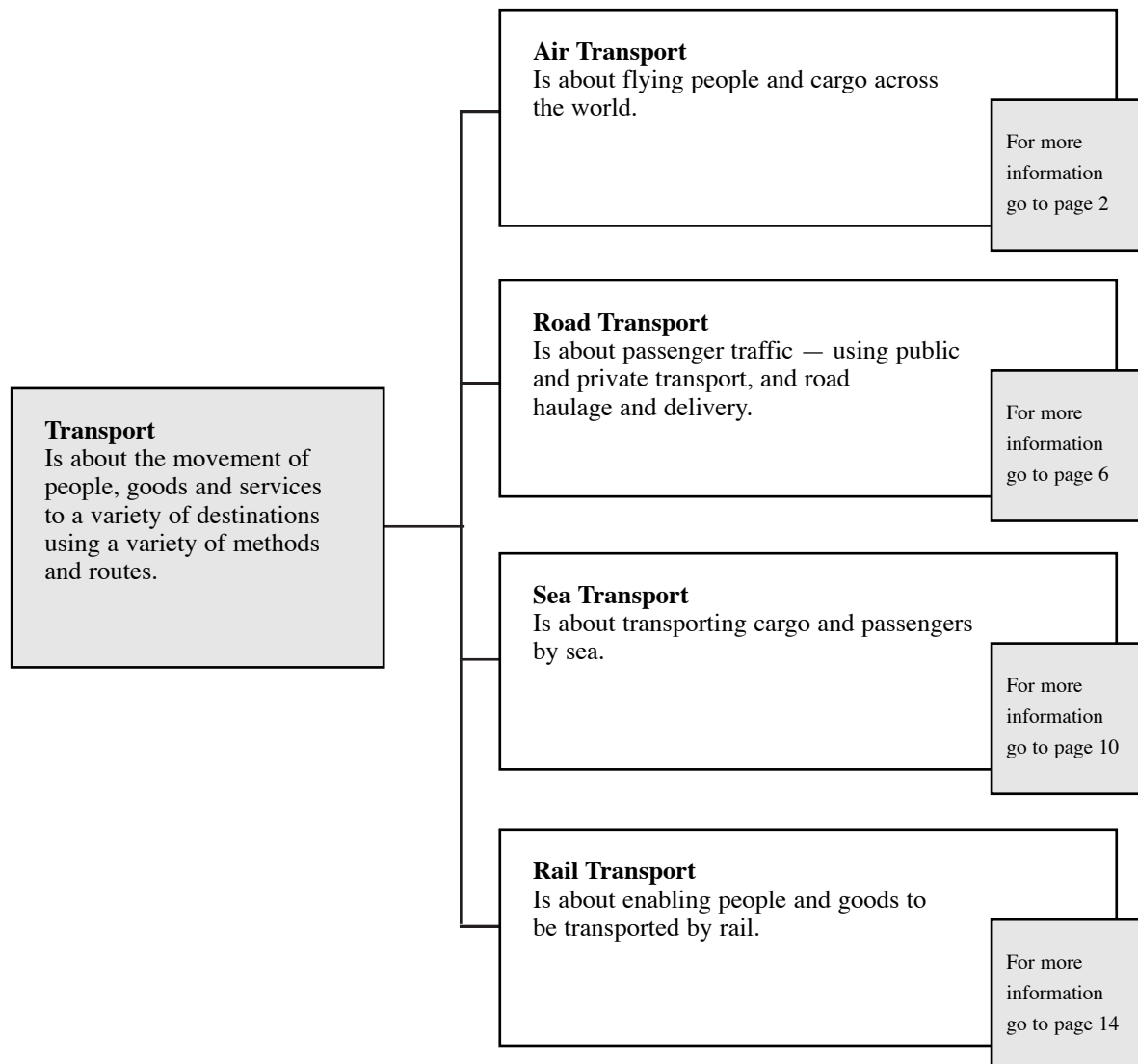


Transport

1: career options

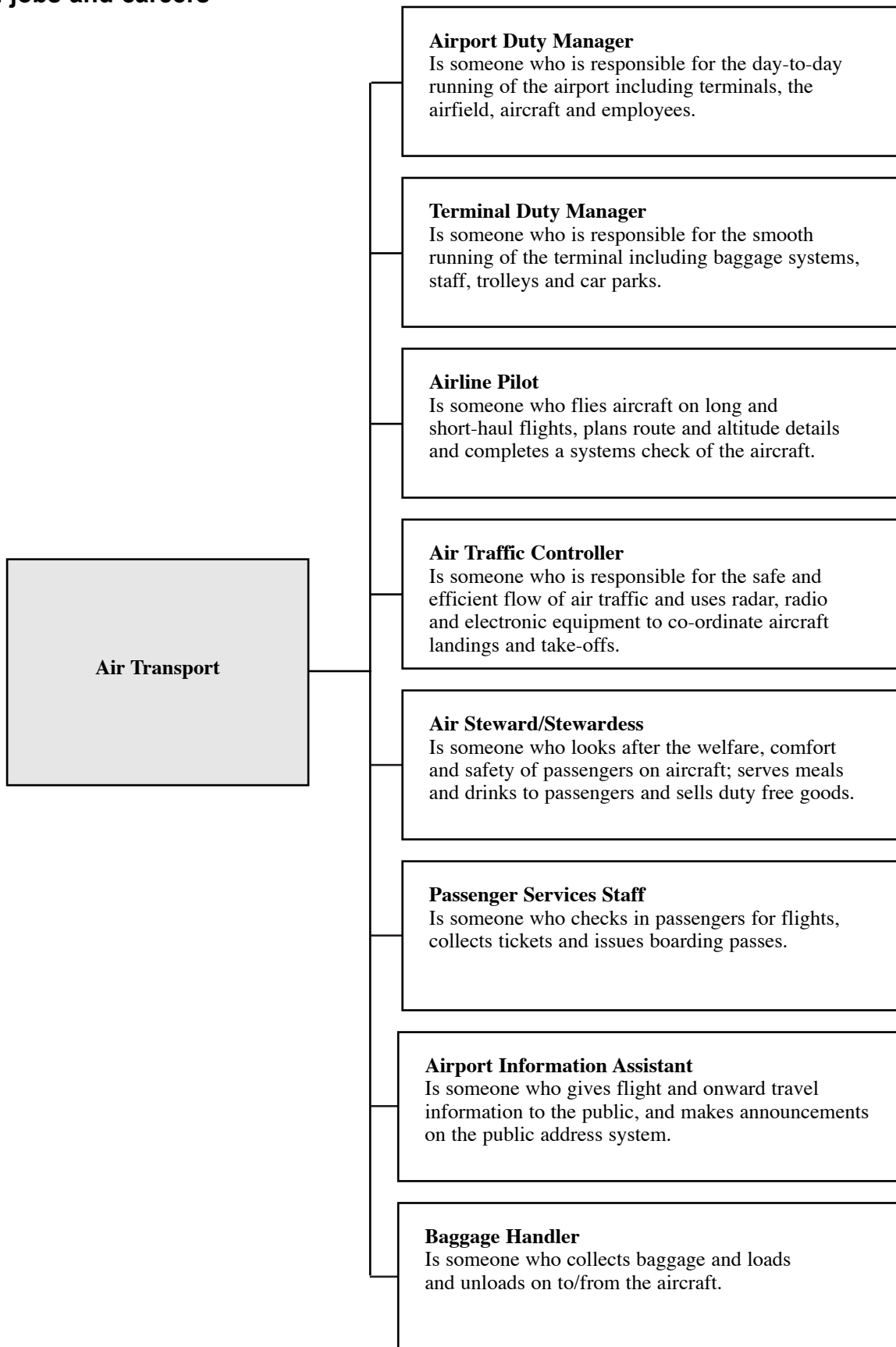


Other career areas related to Transport include:

- 9. Armed Forces
- 12. Hospitality
- 21. Travel and Tourism

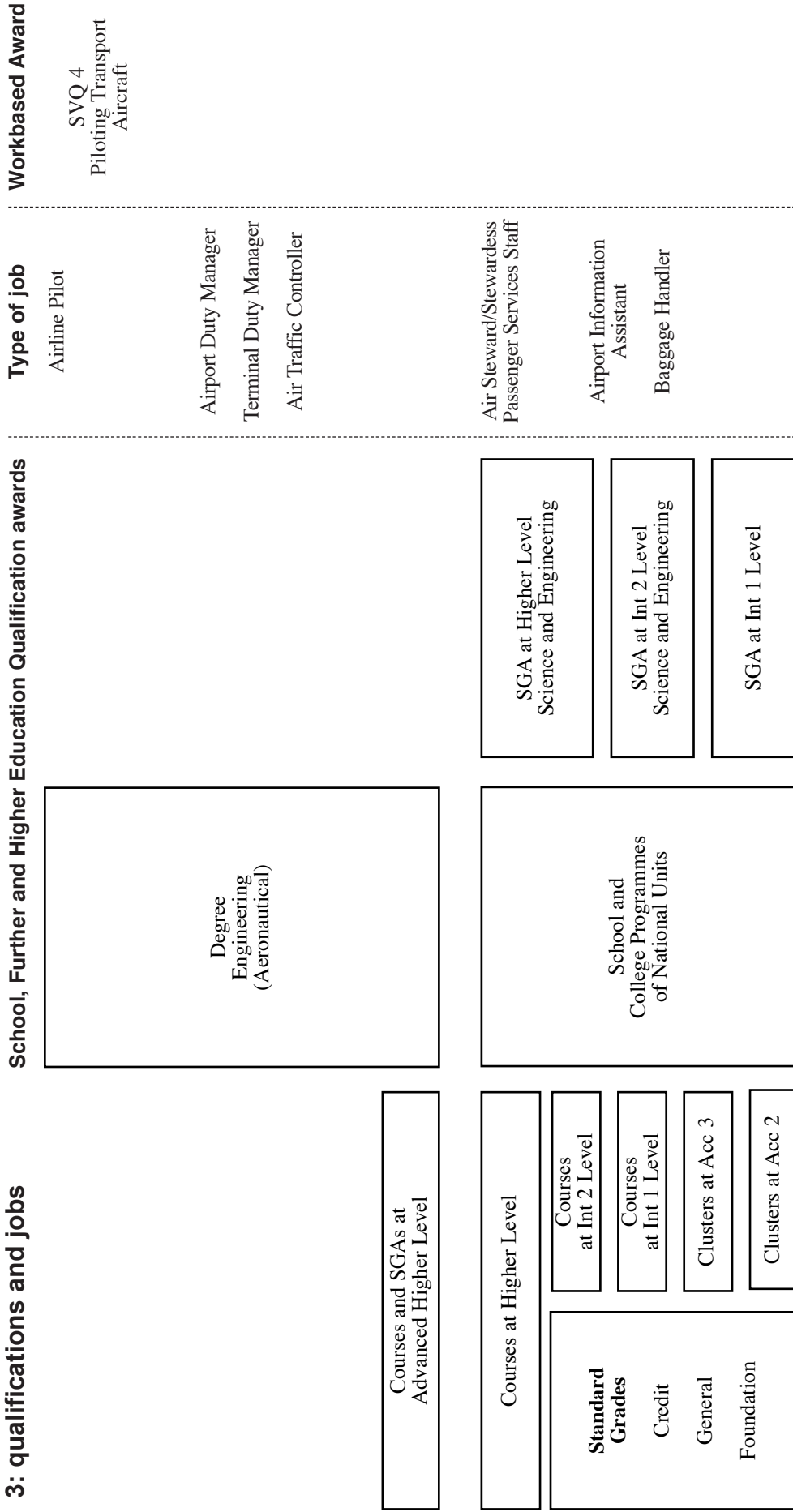
Air Transport

2. jobs and careers



Air Transport

3: qualifications and jobs



This diagram outlines the main qualifications in the Air Transport area. A full list of all SQA qualifications is on the following pages. People can progress vertically from one qualification to another, eg from a Course at Int 1 to a Course at Int 2. In addition people can progress diagonally from one level of Standard Grade to a higher level of Course or Scottish Group Award (SGA), eg from Standard Grade at General level to Courses or SGAs at Int 2 level.

In this diagram, SVQs and PDAs in the Vocational sector are placed according to current practice and usage in illustrating the relationships and pathways between qualifications, jobs and careers.

Air Transport

4: qualifications

HND

Engineering: Aeronautical

SGA

Higher

Science

Engineering

Engineering: Electrical

Engineering: Electronics

Engineering: Mechanical

Engineering: Mechatronics

Int 2

Science

Engineering

GSVQ III

Engineering

Science

GSVQ II

Engineering

Science

SVQ 4

Piloting Transport Aircraft

Air Transport

5: notes on entry to jobs and careers

Pilots must hold a Professional Pilot's Licence issued by the Civil Aviation Authority (CAA). Full or partial sponsorship and training may be provided by some airlines (eg British Airways sometimes operates a Cadet Pilot Training Scheme).

Most of the jobs listed have a minimum age limit of 18-20. Airline pilots and air traffic controllers also have upper age limits for entry to training (usually 26-28).

Entry routes

- ◆ **School leavers** — most entrants will have gained Higher qualifications or taken a relevant FE/HE course.
- ◆ **Direct entry into employment** — because of minimum age limits, opportunities for entry straight from school are limited.
- ◆ **Adult entry** — the age restrictions mentioned above also apply to adults. Conversion courses to Air Transport Pilot's Licence (ATPL) are available to pilots from the Armed Forces. For conversion courses, pilots may be aged up to 35. For other posts, previous relevant experience is important (examples including caring, teaching, hospitality etc - for air cabin crew).

SVQ access

SVQs are usually accessed through employment.

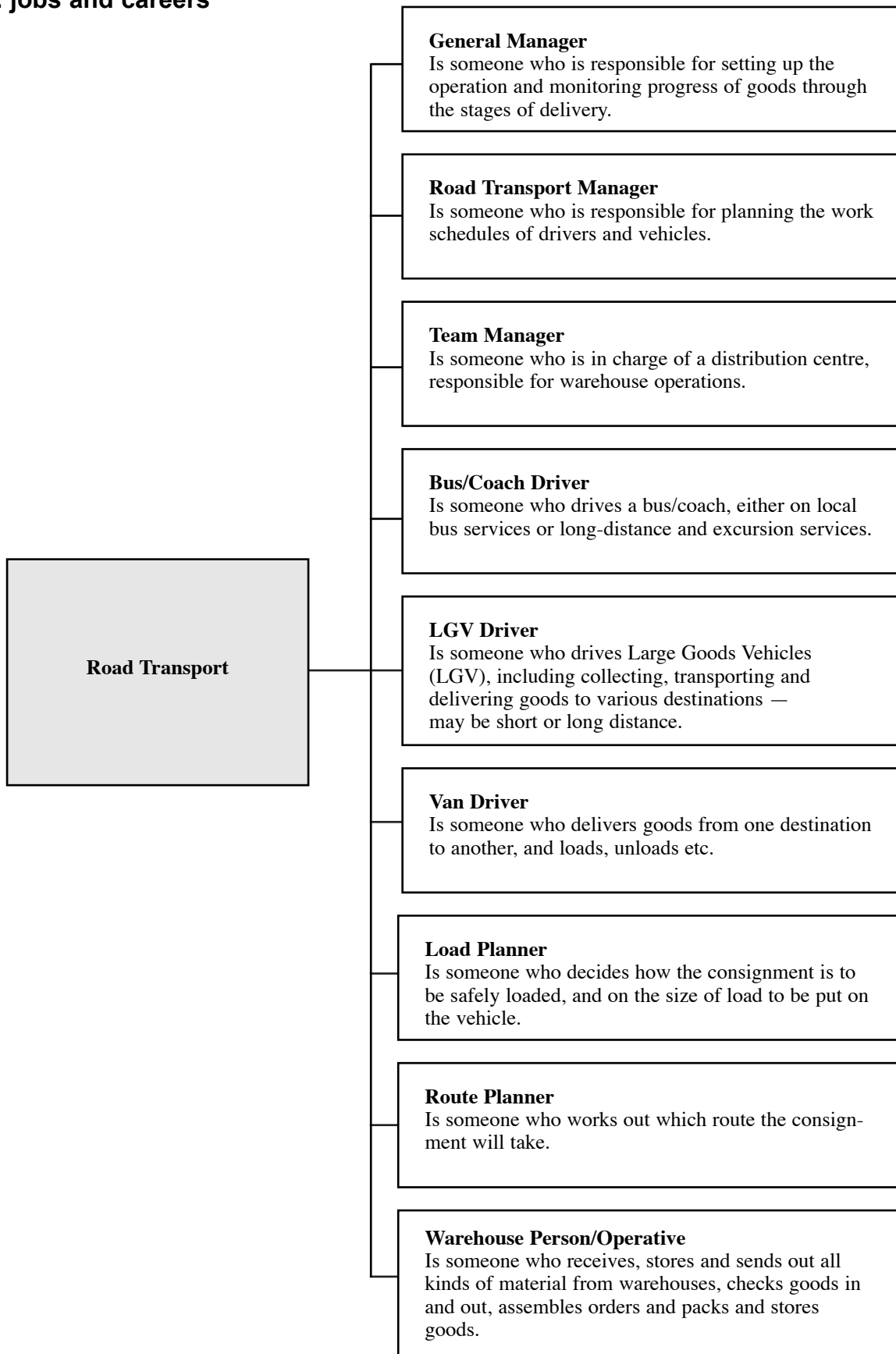
Entry requirements

- ◆ Entry to some posts is possible with no formal qualifications, although Standard Grades such as Maths, English, Geography and a Modern Language will be useful. Entry requirements for pilot training are five Standard Grades including English, Maths and a Science (preferably Physics), and preferably three Highers (Maths and Physics recommended), many are graduates. Air Traffic Controllers require five Standard Grades including English and Maths, and preferably three Highers.
- ◆ Entry to an SGA ranges from no formal qualifications to four Standard Grades, including Maths and a Science or Technology Subject.
- ◆ HNCs/HNDs usually require an appropriate SGA or one or two Highers (Maths and Physics or Technological Studies sometimes required) and four Standard Grades.
- ◆ Degree courses usually require three or four Highers including English, Maths and a Science (Physics or Technological Studies preferred) and Standard Grades; or appropriate HNC/HND.

Note — entry requirements vary between institutions. Check prospectuses before applying.

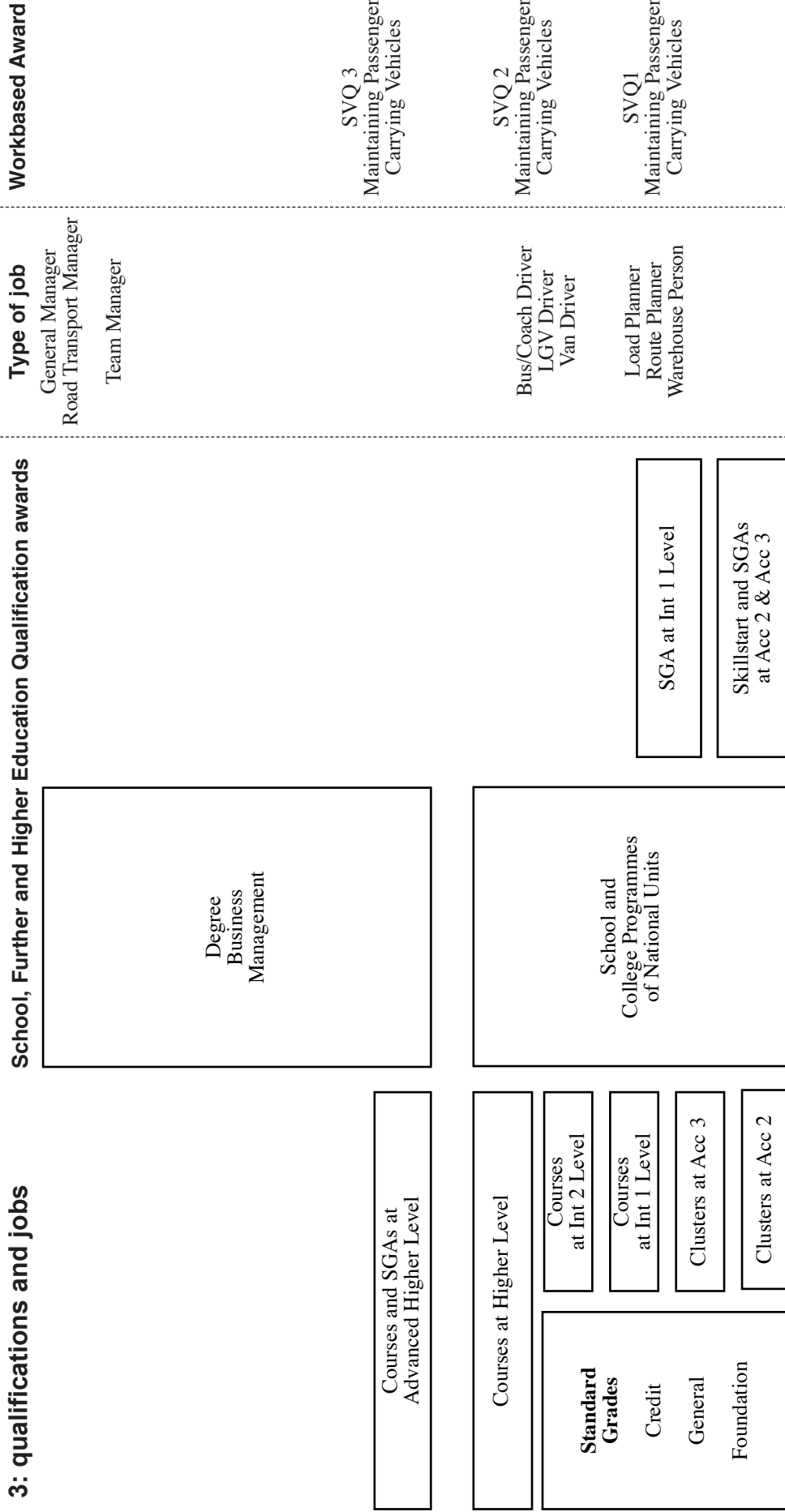
Road Transport

2. jobs and careers



Road Transport

3: qualifications and jobs



This diagram outlines the main qualifications in the Road Transport area. A full list of all SQA qualifications is on the following pages. People can progress vertically from one qualification to another, eg from a Course at Int 1 to a Course at Int 2. In addition people can progress diagonally from one level of Standard Grade to a higher level of Course or Scottish Group Award (SGA), eg from Standard Grade at General level to Courses or SGAs at Int 2 level.

In this diagram, SVQs and PDAs in the Vocational sector are placed according to current practice and usage in illustrating the relationships and pathways between qualifications, jobs and careers.

Road Transport

4: qualifications

SVQ 3

Maintaining Passenger Carrying Vehicles: Body Trades
Maintaining Passenger Carrying Vehicles: Electrical
Maintaining Passenger Carrying Vehicles: Mechanical
Driving Instruction: Passenger Carrying Vehicles
Transporting Passengers by Road: Long Itineraries

SVQ 2

Maintaining Passenger Carrying Vehicles: Body Trades
Maintaining Passenger Carrying Vehicles: Electrical
Maintaining Passenger Carrying Vehicles: Mechanical
Organising Road Transport Operations
Storing Goods for Distribution by Road
Transporting Goods by Road
Bus and Coach Driving and Customer Care
Lift Truck Operations
Transporting Passengers by Road: Short Itineraries

SVQ 1

Maintaining Passenger Carrying Vehicles: Body Trades
Maintaining Passenger Carrying Vehicles: Electrical
Maintaining Passenger Carrying Vehicles: Mechanical
Assisting in Road Haulage and Distribution Operations

Road Transport

5: notes on entry to jobs and careers

Entry into this industry is possible at any level and with a wide range of qualifications. Management training schemes are available for those with appropriate qualifications.

Entry routes

- ◆ **School leavers** — entry is possible straight from school although some posts have a minimum age limit. Entry to management training schemes requires five Standard Grades (English and Maths) and three Highers (Economics or Geography useful), although many management trainees have HNC/HND or degree.
- ◆ **Adult entry** — opportunities are good for adults as there are minimum age limits for many posts. Relevant qualifications and experience are important.

SVQ access

SVQs are normally accessed through employment.

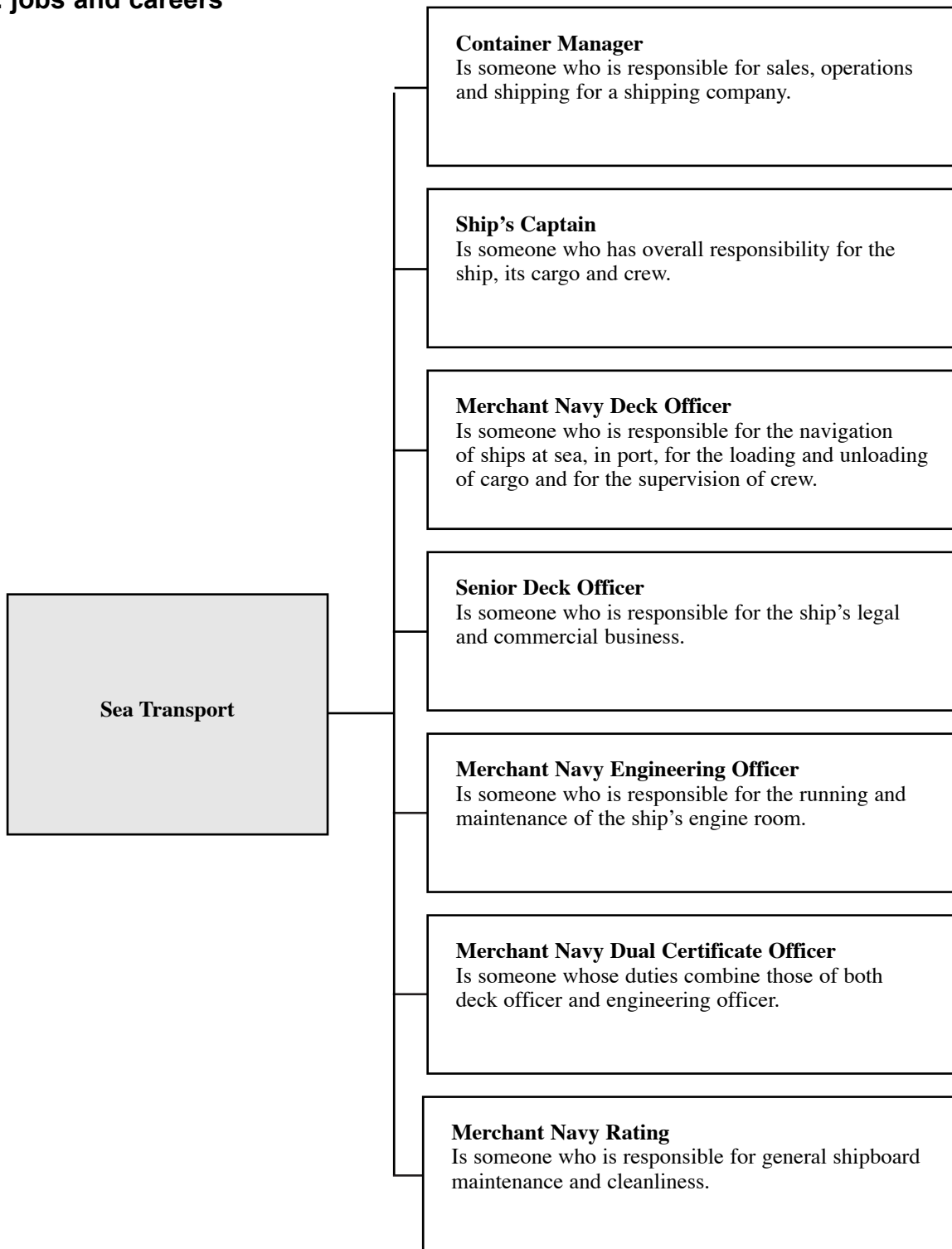
Entry requirements

- ◆ No formal qualifications are required for most posts. Literacy and numeracy are important, and applicants may have to sit an entry test.
- ◆ Entry to an SGA ranges from no formal qualifications to three or four Standard Grades (English and Maths useful).
- ◆ HNCs/HNDs usually require an appropriate SGA or two Highers and appropriate Standard Grades.
- ◆ Degrees usually require three or four Highers and Standard Grades including English and Maths; or appropriate HNC/HND.

Note — entry requirements vary between institutions. Check prospectuses before applying.

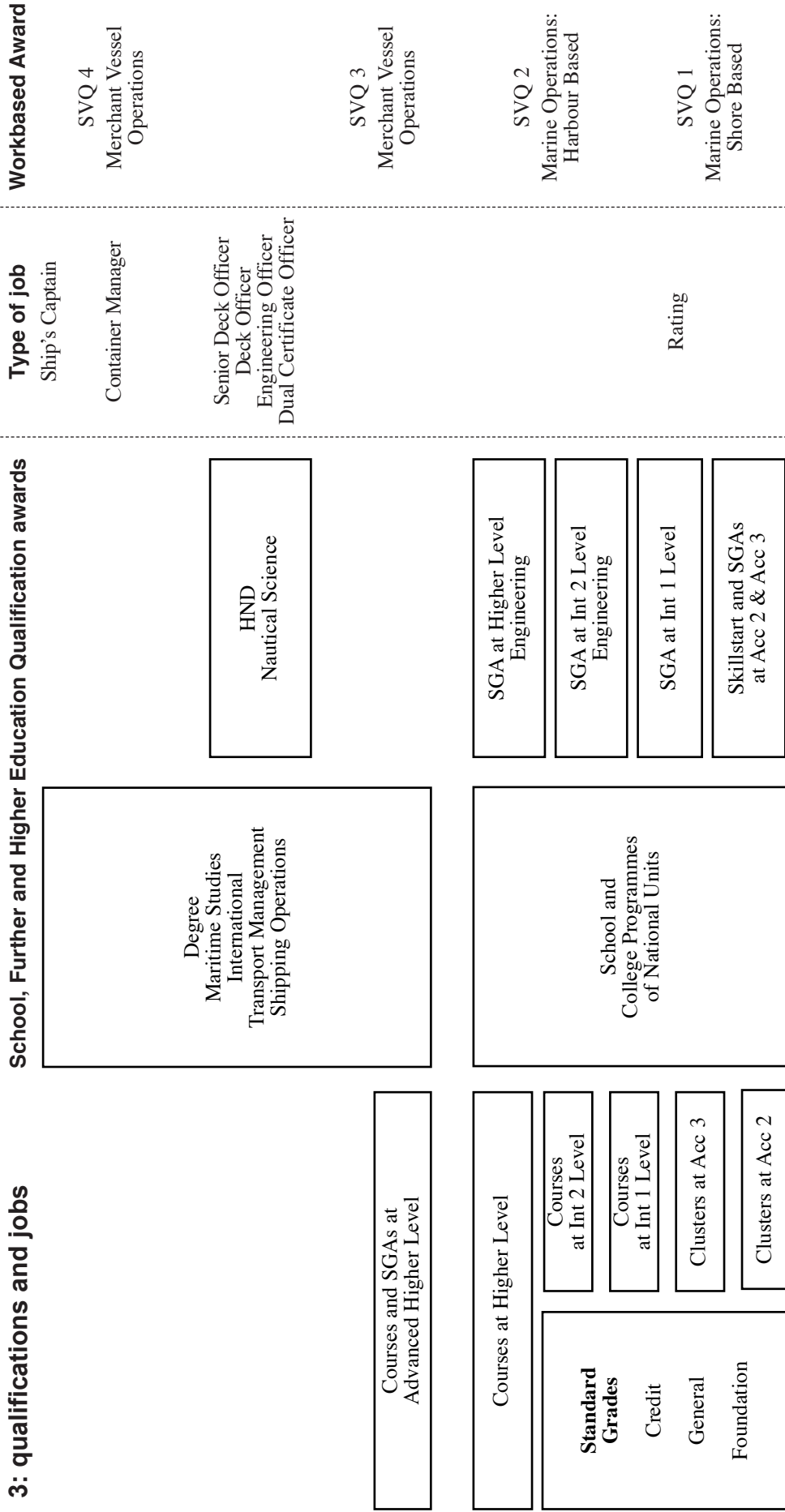
Sea Transport

2. jobs and careers



Sea Transport

3: qualifications and jobs



This diagram outlines the main qualifications in the Sea Transport area. A full list of all SQA qualifications is on the following pages. People can progress vertically from one qualification to another, eg from a Course at Int 1 to a Course at Int 2. In addition people can progress diagonally from one level of Standard Grade to a higher level of Course or Scottish Group Award (SGA), eg from Standard Grade at General level to Courses or SGAs at Int 2 level.

In this diagram, SVQs and PDAs in the Vocational sector are placed according to current practice and usage in illustrating the relationships and pathways between qualifications, jobs and careers.

Sea Transport

4: qualifications

HND

International Shipping
Nautical Science

HNC

International Shipping
Nautical Science

SGA

Higher

Engineering

Int 2

Engineering

GSVQ III

Engineering

GSVQ II

Engineering

National Course

Higher

Nautical Studies

Int 1

Nautical Studies

Int 2

Nautical Studies

SVQ 4

Merchant Vessel Operations

SVQ 3

Merchant Vessel Operations

SVQ 2

Marine Operations: Harbour Based
Merchant Vessel Operations

SVQ 1

Marine Operations: Shore Based

Sea Transport

5: notes on entry to jobs and careers

This occupational area includes passenger shipping (cruise liners and ferries) and transportation of cargo.

A number of seaports are now in the private sector and have restructured their business and investment in major new schemes to meet customers' requirements.

The diversity of employment in sea transport is immense; not only are general managers required (eg in the ports industry), but also specialists in many related disciplines of marine services, marketing, distribution and logistics, accountancy, property and estate management and hydrography.

Entry routes

- ◆ **School leavers** — most shipping companies have age limits of 16 -19½ for entry to traineeships/cadetships. Standard Grades are required for most occupations, although those with Highers can enter accelerated training schemes.
- ◆ **Adult entry** — opportunities for adults are rare except for former Royal Navy personnel with relevant experience and qualifications.

Some degrees will give exemption from the examinations towards corporate membership of the Chartered Institute of Transport.

Professional Bodies

The Chartered Institute of Transport (CIT)
The Institute of Chartered Shipbrokers
The Institute of Freight Forwarders (IFF)
The Institute of Marine Engineers
The Nautical Institute

SVQ access

The Merchant Navy is introducing a system of qualifications based on SVQs. It is envisaged that this system of training and assessment will become the only route to gain Certificates of Competency.

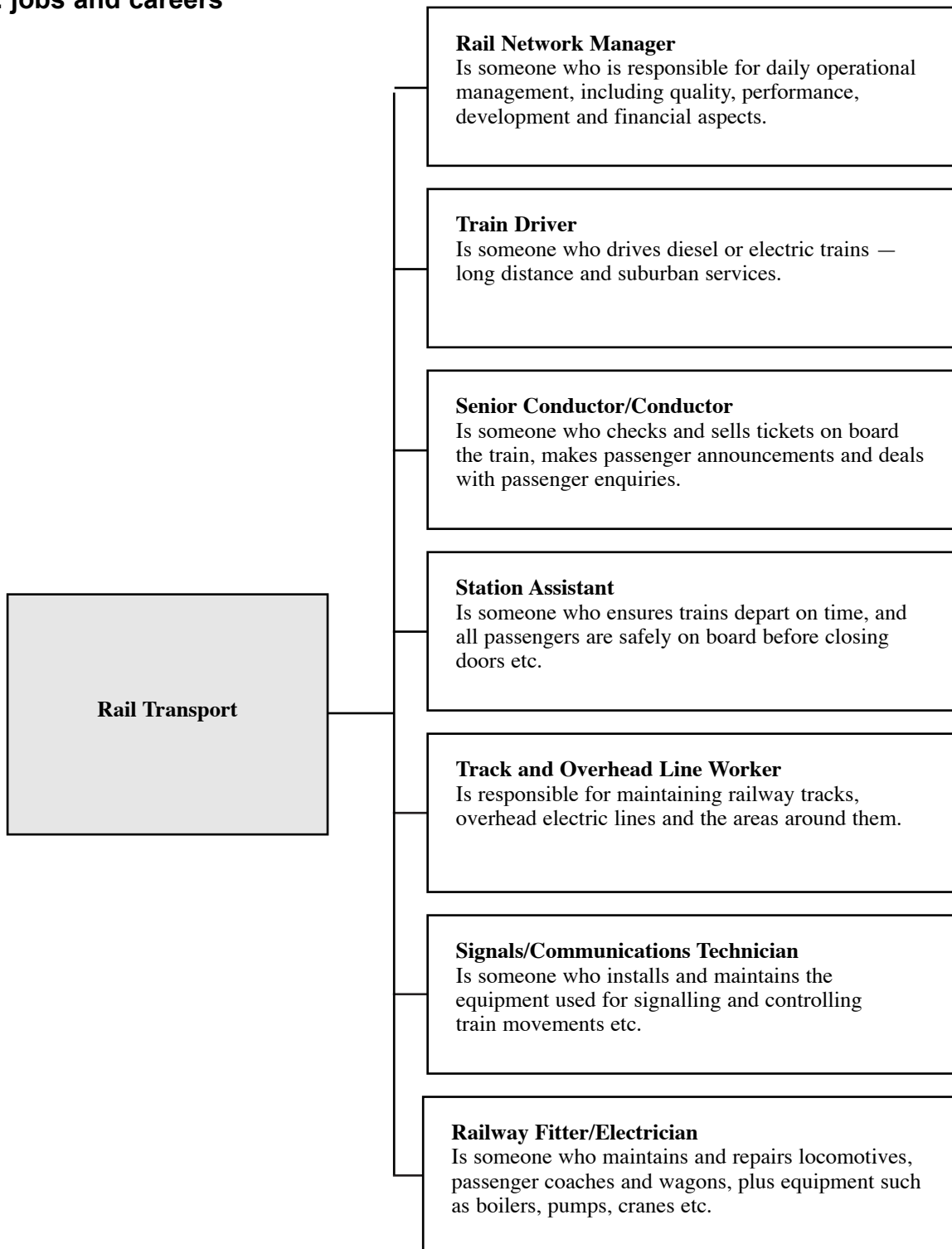
Entry requirements

- ◆ Some posts, eg ratings, require no formal qualifications although Standard Grades, especially English and Maths, will be an advantage. Deck Officers/Engineer Officers usually require five Standard Grades including Maths, Physics and an English based subject. Highers will give entry to accelerated training.
- ◆ Entry to an SGA ranges from no formal qualifications to four Standard Grades including Maths and Physics.
- ◆ HNCs/HNDs usually require an appropriate SGA or two Highers including Maths and/or Physics and/or four Standard Grades including English, Maths and Physics.
- ◆ Degree courses usually require three or four Highers (Maths and Sciences important) and Standard Grades; or appropriate HNC/HND.

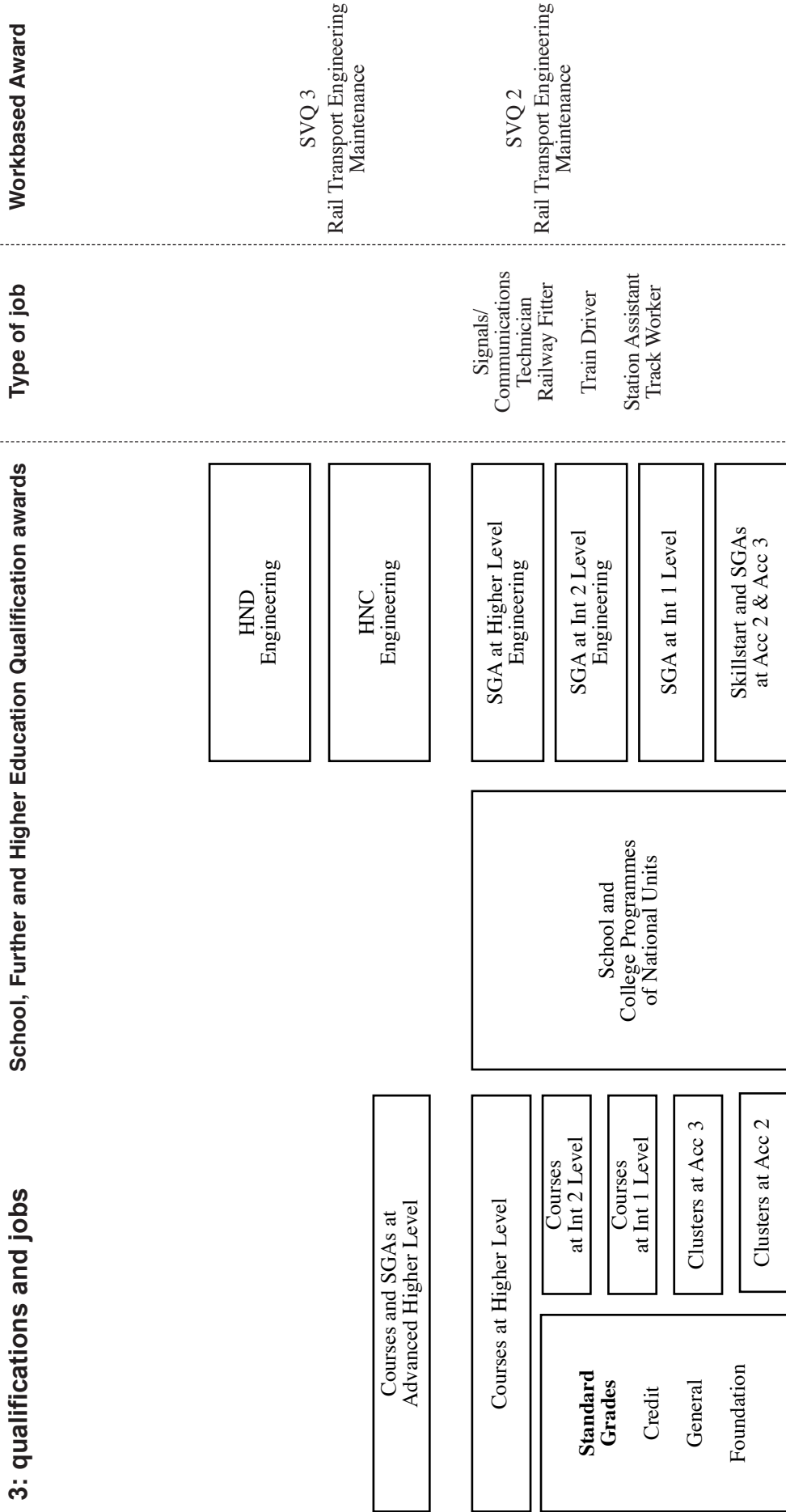
Note — entry requirements vary between institutions. Check prospectuses before applying.

Rail Transport

2. jobs and careers



Rail Transport



This diagram outlines the main qualifications in the Rail Transport area. A full list of all SQA qualifications is on the following pages. People can progress vertically from one qualification to another, eg from a Course at Int 1 to a Course at Int 2. In addition people can progress diagonally from one level of Standard Grade to a higher level of Course or Scottish Group Award (SGA), eg from Standard Grade at General level to Courses or SGAs at Int 2 level.

In this diagram, SVQs and PDAs in the Vocational sector are placed according to current practice and usage in illustrating the relationships and pathways between qualifications, jobs and careers.

Rail Transport

4: qualifications

HND

Engineering

HNC

Engineering

SGA

Higher

Engineering

Int 2

Engineering

SVQ 3

Rail Transport Engineering Maintenance: Communication

Rail Transport Engineering Maintenance: Electrification

Rail Transport Engineering Maintenance: Permanent Way

Rail Transport Engineering Maintenance: Plant

Rail Transport Engineering Maintenance: Signals

Rail Transport Engineering Maintenance: Traction and Rolling Stock

SVQ 2

Rail Transport: Driving

Rail Transport Engineering Maintenance: Communication

Rail Transport Engineering Maintenance: Electrification

Rail Transport Engineering Maintenance: Permanent Way

Rail Transport Engineering Maintenance: Plant

Rail Transport Engineering Maintenance: Signal Fault Finding

Rail Transport Engineering Maintenance: Signals

Rail Transport Engineering Maintenance: Traction and Rolling Stock

Rail Transport Engineering Maintenance: Passenger Services

Rail Transport Engineering Maintenance: Shunting

Rail Transport Engineering Maintenance: Signal Operations

Rail Transport

5: notes on entry to jobs and careers

Entry routes

- ◆ **School leavers** — are recruited into a number of posts. As the minimum age is often 18, school leavers may join special training schemes for young people.
- ◆ **Adult entry** — there are good opportunities for adult entrants as station assistants, drivers and conductors. Drivers are recruited between the ages of 18 and 46, although most companies prefer candidates aged 21+. Fitters and electricians who have served a craft apprenticeship can apply for railway fitter and electrician posts.

SVQ access

SVQs are usually accessed through employment.

Entry requirements

- ◆ Entry to some posts requires no formal qualifications although some Standard Grades will be an advantage. Maths and English are important subjects. Some posts (eg track worker, signal technician and railway fitter/electrician) will usually require three or four Standard Grades (English, Maths and a Science).
- ◆ Entry to an SGA ranges from no formal qualifications to four Standard Grades (English, Maths and a Science sometimes required).
- ◆ HNCs/HNDs usually require an appropriate NC/GSVQ or one or two Highers and Standard Grade Maths and a Science.

Note — entry requirements vary between institutions. Check prospectuses before applying.