

Layton: The Engineer and Business

Independence

- impartial

- public safety

- dual responsibility

- conflict of interest

- special knowledge & esoteric

- professional

eng; large artifacts

or

large org. required

to utilize the artifact

in society

or

large quantities

eng $\rightarrow$ mgt.

Business needs engineers

Eng. needs business

Layton: The Engineer and Business

Firmage: Definition of a Profession

Greenwood: Attributes of a Profession

Profession

non-professional
vocation

medicine

lawyer

airplane pilot

Software
eng.

other
eng.

Scientists

← teachers

musician

firemen

auto
mechanic

electricians

Singers.

hair
dressers

Salesmen

politicians

§ ~ Sportsmen ~ ~ ~ §

garbage
collector

Criteria/Attributes

← responsibility (amount)

autonomy independence

← educational requirements

length

intellectual
(theory)

professionalism

← difficulty

substitutability →

licensing

← Society's evaluation

← (natural) ^{talent} skills, ^{ability} required

← potential neg. consequences, dangers

← theory + practice, balanced.

public service