

Boeing List of “Desired Attributes of an Engineer”

- **A good understanding of engineering science fundamentals**
 - Mathematics (including statistics)
 - Physical and life sciences
 - Information technology (far more than “computer literacy”)
- **A good understanding of design and manufacturing processes**
(i.e. understands engineering)
- **A multi-disciplinary, systems perspective**
- **A basic understanding of the context in which engineering is practiced**
 - Economics (including business practice)
 - History
 - The environment
 - Customer and societal needs
- **Good communication skills**
 - Written
 - Oral
 - Graphic
 - Listening
- **High ethical standards**
- **An ability to think both critically and creatively - independently and cooperatively**
- **Flexibility - the ability and self-confidence to adapt to rapid or major change**
- **Curiosity and a desire to learn for life**
- **A profound understanding of the importance of teamwork**
- **Global awareness (aided by knowledge of at least one language other than English)**