

# Gallatin Undergraduate Rationale: The creation of Artificial Intelligence

Abhi Agarwal

What is AI? How is it Potrayed & developed of AI in books, media, and research?  
Artificial Intelligence has been a hotly debated topic in the last decade, and even more debated in the media in the last couple years.

What is intelligence? How do we define it?

Intelligence testing & factors of intelligence for intelligent machines

Conscience, desire, rationality, intuition, common sense, and their relation to intelligence

Methods of quantification for a thinking or intelligence machines

Superintelligence vs intelligence

Embedding of AI into our social structure

Impacts of the creation

## Booklist

### **Ancient, Medieval and Renaissance Classics**

At least seven works produced before the mid-1600s.

- Sidereus Nuncius – Galileo Galilei
- The Discourse on Method – Rene Descartes
- The Republic – Plato
- Bhagavad Gita – Sage Vyasa
- Utopia – Thomas More

### **Modernity—The Humanities**

At least four works, produced after the mid-1600s, in Humanities disciplines such as Literature, Philosophy, History, the Arts, Critical Theory and Religion.

- Treatise of Human Nature – David Hume

### **Modernity—The Social and Natural Sciences**

At least four nonfiction works, produced after the mid-1600s, in the Natural Sciences and Social Science disciplines such as Political Science, Economics, Psychology, Anthropology, and Sociology.

- An Enquiry of Human Understanding – David Hume
- On the Origins of Species – Charles Darwin
- The Descent of Man – Charles Darwin
- On Natural Selection – Charles Darwin
- Computing Machinery and Intelligence – A. M. Turing
- Hackers – Steven Levy
- The Bell Curve – Richard J. Herrnstein and Charles Murray

### **Area of Concentration**

At least five additional works representing the student's area or areas of concentration; students whose area of concentration already appears among the above categories may simply choose five additional works from these categories.

- Godel, Escher, Bach – Douglas R. Hofstadter

- The Human Brain – Susan Greenfield
- On Intelligence – Jeff Hawkins
- Superintelligence: Paths, Dangers, and Strategies – Nick Bostrom
- Artificial Intelligence: A Modern Approach – Stuart Russell and Peter Norvig
- The Big Test: The Secret History of the American Meritocracy – Nicholas Lemann
- Dataclysm: Who We Are – Christian Rudder
- The Singularity Is Near – Ray Kurzweil