

# Expanded Algorithmic Trader Course & Daily Roadmap

**From Beginner to Funded Algorithmic Trader — Goal: £1,000,000 by January 2026**

**Overview:** A complete 15-month roadmap for aspiring algorithmic traders focused on Forex and Gold. Designed for 1 hour/day learners, this program integrates daily lessons, coding practice, psychology, and funding preparation.

## Month 1: Foundations & Tools (October 2025)

Day	Focus	Resource	Task
1	Forex & Gold basics	<a href="https://www.forexboat.com/wp-content/uploads/2017/01/Forex-e-books-Forex-A-Z.pdf">https://www.forexboat.com/wp-content/uploads/2017/01/Forex-e-books-Forex-A-Z.pdf</a>	Read 2017 Forex A-Z PDF
2	Market structure	<a href="https://viptrade.ge/frontend-assets/books/The-Basics-of-Options-Simple-Terms_by_Jim_Brown.pdf">https://viptrade.ge/frontend-assets/books/The-Basics-of-Options-Simple-Terms_by_Jim_Brown.pdf</a>	Read Basics of Options Simple Terms by Jim Brown
3	Intro to Algo Trading	<a href="https://www.youtube.com/watch?v=xfzGZBtHIEY">https://www.youtube.com/watch?v=xfzGZBtHIEY</a>	Watch Intro to Algo Trading Using Python (YouTube)
4	Python basics	Same YouTube course	Write simple data import script using yfinance
5	Data handling	<a href="https://www.youtube.com/watch?v=GDMkko4lgnw">https://www.youtube.com/watch?v=GDMkko4lgnw</a>	Watch Intro to Python Pandas/AI/USD data
6	Indicators	<a href="https://agorism.dev/book/finance/(Wiley%20Trading%20EMA%20Chan%20-%20Algorithmic%20Trading%20Book%205).pdf">https://agorism.dev/book/finance/(Wiley%20Trading%20EMA%20Chan%20-%20Algorithmic%20Trading%20Book%205).pdf</a>	Read Trading EMA/Chan/RSI/RSI
7	Strategy ideas	<a href="https://www.youtube.com/watch?v=b7FTSbqF58">https://www.youtube.com/watch?v=b7FTSbqF58</a>	Watch 5 Simple Forex Algo Trading
8	Mean Reversion coding	<a href="https://sar.ac.id/stmik_ebook/prog_file_file/Coursera/5.pdf">https://sar.ac.id/stmik_ebook/prog_file_file/Coursera/5.pdf</a>	Read Coursera's Building a Winning Algorithmic System
9	Backtesting	Same PDF	Run backtest, log results
10	Performance metrics	Ernest Chan PDF	Calculate Sharpe ratio, drawdown
11	Robustness testing	<a href="https://run.unl.pt/bitstream/10362/135618/1/TEG01570.pdf">https://run.unl.pt/bitstream/10362/135618/1/TEG01570.pdf</a>	Read TEG01570.pdf's Algorithmic Trading Strategies
12	Monte Carlo testing	<a href="https://cdn.oujdaLibrary.com/books/84/84-RivaMonteCarloSimulation-(www.tawcer.com).pdf">https://cdn.oujdaLibrary.com/books/84/84-RivaMonteCarloSimulation-(www.tawcer.com).pdf</a>	Read Monte Carlo Simulation (www.tawcer.com).pdf
13	Review	All previous	Refactor code, improve results
14	Breakout system	<a href="https://www.youtube.com/watch?v=Ugp3pGQNPtA">https://www.youtube.com/watch?v=Ugp3pGQNPtA</a>	Watch GQNPtA's Advanced Forex Backtesting
15	Portfolio logic	Ernest Chan PDF	Combine strategies and backtest portfolio
16	Risk management	Same PDF	Enforce 1–2% risk per trade
17	Execution modeling	Chan/Davey PDFs	Add slippage, commission models
18	Psychology	<a href="https://www.earnforex.com/forex-e-books/Trading-strategy/">https://www.earnforex.com/forex-e-books/Trading-strategy/</a>	Read EarnForex psychology eBook
19	Journaling	Custom template	Set up Excel/Google Sheet tracker
20	FX Algo Handbook	<a href="https://fxalgonews.com/wp-content/uploads/2023/08/FX-Algo-Handbook-2023.pdf">https://fxalgonews.com/wp-content/uploads/2023/08/FX-Algo-Handbook-2023.pdf</a>	Read FX Algo Handbook 2023

## Key Resources Library

### PDFs:

- Building Winning Algorithmic Trading Systems
- Algorithmic Trading (Ernest Chan)
- FX Algorithmic Trading Handbook
- Algorithmic Trading Strategies Thesis
- 84 Advanced Algorithmic Trading

### YouTube Playlists:

- Algorithmic Trading Using Python – Full Course
- 5 Steps to Start Forex Algorithmic Trading
- Algo Trading for Beginners | Python + MT5
- Machine Learning & Quant Strategies (FreeCodeCamp)
- Advanced Forex and Stock Trading Backtesting

### Prop Firms:

- FTMO
- MyForexFunds 2.0
- The Funded Trader

## **Next Steps & Accountability**

Continue following this roadmap daily. Each week, summarize progress, track metrics, and refine strategy rules. After three months, shift to weekly sprints focused on robustness, psychology, and funded account preparation. Use provided resources and videos to deepen algorithmic skills and confidence.