

# Test Results

September 12, 2024

```
[1]: import os
from langchain_groq import ChatGroq
from dotenv import load_dotenv

load_dotenv()
groq_api_key = os.getenv("GROQ_API_KEY")
os.environ["GROQ_API_KEY"] = groq_api_key
model = ChatGroq(
    model="llama-3.1-70b-versatile"
)
```

```
[2]: import bs4
from langchain_community.document_loaders import WebBaseLoader

bs4_strainer = bs4.SoupStrainer(class_=("ok-wysiwyg-wrapper"))
loader = WebBaseLoader(
    web_paths=("https://students.ok.ubc.ca/academic-success/advising-options/
↳academic-advising/frequently-asked-questions/#lab",),
    bs_kwargs={"parse_only": bs4_strainer},
)

docs = loader.load()
len(docs[0].page_content)
```

USER\_AGENT environment variable not set, consider setting it to identify your requests.

[2]: 22533

```
[4]: print(docs[0].page_content[:1000])
```

Explore answers to questions related to advising services, degree planning, transfer credits, and records and registration.  
School of Engineering  
For questions about programs or courses offered by the School of Engineering, contact School of Engineering Academic Advising.  
Other Faculty resources  
For other Faculty resources, including forms, Honours program applications, and

department contacts, refer to the faculty resources at the bottom of this page

Records and registration

How do I access Workday?

Use Workday on a desktop device for the best user experience. Log in to Workday at [myworkday.ubc.ca](https://myworkday.ubc.ca) with your Campus-wide Login (CWL).

If you don't have a Student CWL, you can create one after accepting your offer and receiving a student number. You can set up a Student CWL through UBC IT. If you do not have Multi-factor Authentication set up, follow the instructions online, then log into Workday.

View our How-To tutorials [here](#).

[Back to top](#)

Where do I find my registration date and ti

```
[5]: from langchain_text_splitters import RecursiveCharacterTextSplitter

text_splitter = RecursiveCharacterTextSplitter(
    chunk_size = 1000,
    chunk_overlap = 200,
    add_start_index = True
)

all_splits = text_splitter.split_documents(docs)
len(all_splits)
```

```
[5]: 32
```

```
[9]: len(all_splits[0].page_content)
```

```
[9]: 954
```

```
[10]: all_splits[10].metadata
```

```
[10]: {'source': 'https://students.ok.ubc.ca/academic-success/advising-
options/academic-advising/frequently-asked-questions/#lab',
      'start_index': 7436}
```

```
[14]: from langchain_openai import OpenAIEmbeddings
from langchain_pinecone import Pinecone, PineconeVectorStore
import pinecone

load_dotenv()
pinecone_api_key = os.getenv('PINECONE_API_KEY')
os.environ["PINECONE_API_KEY"] = pinecone_api_key

openai_api_key = os.getenv("OPENAI_API_KEY")
```

```

os.environ["OPENAI_API_KEY"] = openai_api_key

embeddings = OpenAIEmbeddings(
    model="text-embedding-3-small"
)
index_name = "bolt-chatbot"
vectorstore = PineconeVectorStore.from_documents(
    documents=all_splits,
    embedding=embeddings,
    index_name=index_name
)

```

```

[15]: retriever = vectorstore.as_retriever(search_type="similarity",
      ↪search_kwargs={"k": 3})
retrieved_docs = retriever.invoke("What is a closed course?")

len(retrieved_docs)

```

[15]: 3

```

[16]: print(retrieved_docs[0].page_content)

```

Back to top

What is the difference between reserved and unreserved seats in a course?  
 Some courses might have "reserved" seats. These seats are reserved for specific students, for example students in a specific program or year level. If you are a member of the group that these seats are reserved for, you will be able to register.

"Unreserved" seats are open for any students that do not meet the criteria for the reserved seats in that course but do meet the pre-requisites.

Back to top

What is a "closed" course?

A closed course indicates that the course is full.

Back to top

```

[21]: from langchain_core.output_parsers import StrOutputParser
      from langchain.prompts import PromptTemplate

parser = StrOutputParser()

template = """
Answer the question based on the context below. You are an academic advisor for
↪university students. If you can't
answer the question, reply I don't know.

Context: {context}

```

```
Question: {question}
"""
```

```
prompt = PromptTemplate.from_template(template)
prompt.format(context="here is some context", question="here is a question")
```

```
[21]: " \nAnswer the question based on the context below. You are an academic advisor
for university students. If you can't \nanswer the question, reply I don't
know.\n\nContext: here is some context\n\nQuestion: here is a question\n"
```

```
[22]: from operator import itemgetter

chain = (
    {
        "context": itemgetter("question") | retriever,
        "question": itemgetter("question"),
    }
    | prompt
    | model
    | parser
)
```

```
[26]: question = input()
print(f"Question: {question}")
print(f"Answer: {chain.invoke({'question': question})}")
print()
```

Question: What grade do I need to achieve to get transfer credits?

Answer: You need to achieve a grade of four or better on approved AP exams to be eligible for transfer credit. For IB courses, transfer credit depends on what you completed and your minimum score, but the specific score is not mentioned in the provided context.

```
[ ]:
```